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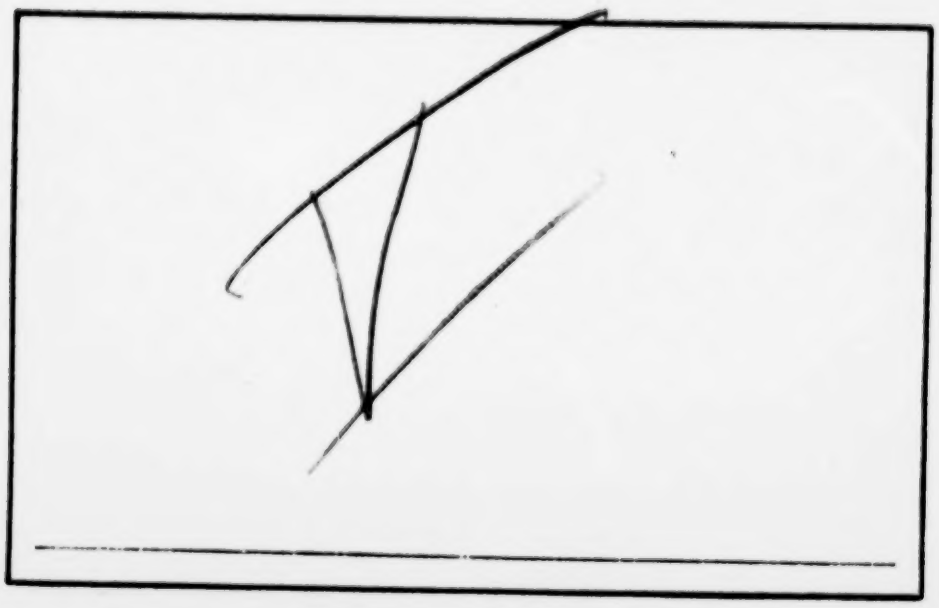
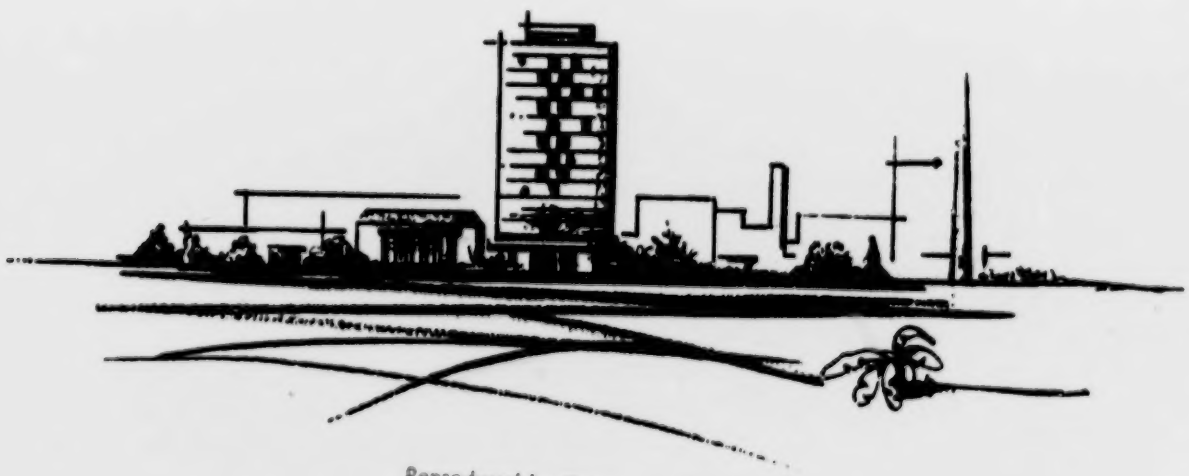
RESEARCH REPORT





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STANDARD TITLE PAGE FOR TECHNICAL REPORTS	1. Report No. CPS-69-005-5	2. Govt. Accession No.	3. Recipient's Catalog No.
4. Title and Subtitle TECHNICAL, INTELLIGENCE, AND PROJECT INFORMATION SYSTEM FOR THE ENVIRONMENTAL HEALTH SERVICE VOLUME V. DIRECTORY OF EHS INFORMATION FACILITIES WITH SELECTED SUPPLEMENTARY RESOURCES			5. Report Date June 29, 1970 6. Performing Organization Code
7. Author(s) Ralph L. Darby, Robert S. Kohn, Thomas E. Carroll, W. David Penniman, and David L. Morrison			8. Performing Organization Rept. No.
9. Performing Organization Name and Address Battelle Memorial Institute Columbus Laboratories 505 King Avenue Columbus, Ohio 43201			10. Project/Task/Work Unit No. 11. Contract/Grant No. CPS-69-005
12. Sponsoring Agency Name and Address U. S. Department of Health, Education, and Welfare Environmental Health Service			13. Type of Report & Period Covered Final 14. Sponsoring Agency Code
15. Supplementary Notes			

16. Abstracts

This study is a multifaceted and intensive investigation of the problems facing the EHS in protecting man's environment from threats created by man. This study included the following major efforts: (1) research and development planning in the perspective of man in his total environment, (2) information network analysis, and (3) model case studies.

This directory represents an inventory of information and data resources useful to the personnel of the Environmental Health Service. It is divided into three principal categories: (1) EHS-sponsored resources, (2) non-EHS resources, and (3) monitoring and surveillance activities of both the National Air Pollution Control Administration and the Environmental Control Administration.

A subject-index, an index of information facilities, and an index of the parent or sponsoring organization are provided.

17. Key Words and Document Analysis. (a). Descriptors

Health
Environmental Engineering
Information Systems
Documentation
Libraries
Monitors
Surveillance
Information retrieval
Surveys
Sources

17b. Identifiers/Open-Ended Terms

Information sources

17c. COSATI Field/Group 06/F; 05/B

18. Distribution Statement	19. Security Class (This Report)	21. No. of Pages
Releasable to the public	UNCLASSIFIED	72
	20. Security Class. (This Page) UNCLASSIFIED	22. Price

FORM NBS-867(1-70)

FINAL REPORT

on

TECHNICAL, INTELLIGENCE, AND PROJECT INFORMATION SYSTEM FOR THE ENVIRONMENTAL HEALTH SERVICE VOLUME V. DIRECTORY OF EHS INFORMATION FACILITIES WITH SELECTED SUPPLEMENTARY RESOURCES

to

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
ENVIRONMENTAL HEALTH SERVICE

June 29, 1970

Contract No. CPS-69-005

Compiled by

Ralph L. Darby, Robert S. Kohn, Thomas E. Carroll,
W. David Penniman, and David L. Morrison

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PREFACE

This directory represents an inventory of information and data resources useful to the personnel of the Environmental Health Service. It is divided into three principal categories: (1) EHS-sponsored resources, (2) non-EHS resources, and (3) monitoring and surveillance activities of both the National Air Pollution Control Administration and the Environmental Control Administration. Category (3) activities are described in Appendix A.

The sources internal to EHS were identified and surveyed during a time of major reorganization within EHS and, therefore, may have certain out-of-date information included in their description. It was felt that this information was of more value than none at all. Input from EHS was requested from all formal information storage and retrieval activities intended to serve the needs of more than just one person. Management and PPBS systems were excluded as were activities whose mission and objectives were not primarily related to information functions.

External sources were selected to complement the EHS sources, and include special-purpose centers as well as some of the standard major sources such as the National Library of Medicine and the Science Information Exchange. It is recognized that this listing of external resources is far from complete and that many other resources will have valuable information, particularly with regard to individual studies which might be undertaken. The general services, such as the National Referral Center, the Defense Documentation Center, and the Clearinghouse for Federal Scientific and Technical Information, described in this directory, should be utilized to identify additional resources.

A subject index, an index of information facilities, and an index of the parent or sponsoring organization are provided in Appendix B for the user's convenience.

FOREWORD

This report is one of five volumes that were prepared for the Environmental Health Service under Contract Number CPS-69-005. The objectives of this project were to examine research and development program-planning needs within the EHS and to develop a management-assistance system for the EHS. Since a well-organized and readily accessible information base is essential to the planning, existing information capabilities and facilities within EHS were surveyed and an environmental health information network was devised. Two model case studies for the environmental stressors, lead and persistent pesticides, were performed to serve as examples during the project and to exercise the elements of the management assistance system.

The reports in this series are:

Volume I. EHS Management Assistance and Planning

Volume II. EHS Information Network Analysis

Volume III. Lead Model Case Study

Volume IV. Pesticides Model Case Study

Volume V. Directory of EHS Information Facilities with Selected Supplementary Resources

BATTELLE MEMORIAL INSTITUTE – COLUMBUS LABORATORIES

TABLE OF CONTENTS

	Page
INFORMATION SOURCES WITHIN ENVIRONMENTAL HEALTH SERVICE . . .	1
SELECTED INFORMATION SOURCES EXTERNAL TO ENVIRONMENTAL HEALTH SERVICE	19
APPENDIX A	
MONITORING AND SURVEILLANCE ACTIVITIES WITHIN ENVIRONMENTAL HEALTH SERVICE	A-1
APPENDIX B	
SUBJECT INDEX	B-1
INFORMATION FACILITIES INDEX	B-5
PARENT AND/OR SPONSORING ORGANIZATION INDEX	B-7

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TECHNICAL, INTELLIGENCE, AND PROJECT INFORMATION SYSTEM FOR THE ENVIRONMENTAL HEALTH SERVICE
VOLUME V. DIRECTORY OF EHS INFORMATION FACILITIES WITH SELECTED SUPPLEMENTARY RESOURCES

Compiled by

Ralph L. Darby, Robert S. Kohn, Thomas E. Carroll,
W. David Penniman, and David L. Morrison

INFORMATION SOURCES WITHIN ENVIRONMENTAL HEALTH SERVICE

Entry 1

NAME: Air Pollution Regulation System

ADDRESS: Division of Control Agency Development, 1033 Wade Avenue, Raleigh, North Carolina 27605

TELEPHONE NUMBER: Area 919, 782-2470

NAME AND TITLE OF CONTACT: Robert Duprey, Project Director

NAME OF PARENT ORGANIZATION: National Air Pollution Control Administration, Environmental Health Service

SPONSOR: Department of Health, Education, and Welfare

YEAR STARTED: Not yet operational

MISSION: To provide NAPCA staff with an effective mechanism for searching the large mass of legal information relating to air-pollution control and for retrieval of selected items of such information.

MAJOR SUBJECT FIELDS COVERED: Air-pollution control; air-pollution control statutes, ordinances, and regulations; Federal legislation and regulations; state and local model codes; state attorney generals' opinions; and cases involving Federal, state, and local governments.

HOLDINGS: None.

PRODUCTS AND SERVICES: Plans are for providing searching and retrieval services and for preparation and publication of reports.

STAFF: Plans are to train three to five staff members for operation of the data base and information system.

QUALIFIED USERS: Primarily for NAPCA Personnel, and state and local agencies.

Entry 2

NAME: Air Pollution Technical Information Center (APTIC)

ADDRESS: 1033 Wade Avenue, Raleigh, North Carolina 27605

TELEPHONE NUMBER: Area 919, 782-2470, Extension 50

NAME AND TITLE OF CONTACT: Peter Halpin, Acting Chief

NAME OF PARENT ORGANIZATION: Office of Technical Information and Publications, National Air Pollution Control Administration, Environmental Health Service

SPONSOR: Department of Health, Education, and Welfare

YEAR STARTED: 1965

MISSION: To collect and disseminate basic data on chemical, physical, and biological affects of varying air quality and other information pertaining to air pollution and the prevention and control thereof in cooperation with other Federal departments and agencies, and with other public or private agencies, institutions, and organizations having related responsibilities.

MAJOR SUBJECT FIELDS COVERED: Chemistry, biology, medicine, mechanical engineering, chemical engineering, meteorology, and physical sciences.

HOLDINGS: Total of about 17,000 books, journal articles, meeting proceedings, R&D reports, patents, theses, translations, and bibliographies.

PRODUCTS AND SERVICES: Provide NAPCA Abstract Bulletin (a monthly current awareness publication), abstracts and indexes, microfiche, translations, selective dissemination of information, state-of-the-art reports, special retrospective bibliographies, referral service, and direct response to specific inquiries.

STAFF: 1 mechanical engineer, 1 biologist, 1 medical technologist, 1 chemical engineer, 1 chemist, 1 physical scientist, 1 Supervisory library technician, 3 library technicians, and 1 translation clerk.

QUALIFIED USERS: Only NAPCA personnel receive hard-copy reports, microfiche, special translations on demand, selective dissemination of information, state-of-the-art summaries, and retrospective bibliographies. Other services are available to the public.

Entry 3

NAME: APTIC Reference Library

ADDRESS: 1033 Wade Avenue, Raleigh, North Car

TELEPHONE NUMBER: Area 919, 782-2470, Ext

NAME AND TITLE OF CONTACT: Mrs. Harriet J
Technician

NAME OF PARENT ORGANIZATION: Air Pollutio
Office of Technical Information and Publications, N
Administration, Environmental Health Service

SPONSOR: Department of Health, Education, and

YEAR STARTED: 1950 (all environmental health p

MISSION: To provide library services to the techn
mation available to other agencies via interlibrary

MAJOR SUBJECT FIELDS COVERED: General as
including biology, chemistry, meteorology, engin

HOLDINGS: Has approximately 3,500 books, jour
abstracts, R&D reports, operating or instruction
literature and catalogs, theses, compendia of data

PRODUCTS AND SERVICES: Provides copy servi
holdings, and referral service.

STAFF: 1 supervisory library technician.

QUALIFIED USERS: Primarily for the use of NA

Entry 4

NAME: Bureau of Radiological Health Library

ADDRESS: 12720 Twinbrook Parkway, Building 4

TELEPHONE NUMBER: 301, 496-8211

TITLE AND NAME OF CONTACT: William J. Li

NAME OF PARENT ORGANIZATION: Bureau of Radiological Health, Environmental Health Service

SPONSOR: Department of Health, Education, and Welfare

YEAR STARTED: 1962

MISSION: To provide specialized technical/medical library services to Bureau personnel.

MAJOR SUBJECT FIELDS COVERED: Biological effects of radiation, radiology (medical, dental, industrial), radiobiology, radiation surveillance, nuclear engineering, nuclear energy, nuclear medicine, hazards associated with radiation from electronic products, public health, environmental health, and radiological health.

HOLDINGS: 5,000 books, 4,500 journal articles, 100,000 R&D reports, 50 theses, 25 tape recordings.

PRODUCTS AND SERVICES: Provides reference, bibliographic, and literature search services; acquires and purchases books, journals, and technical reports in support of scientific research programs; catalogs, classifies, and stores in the permanent collection; provides loans and interlibrary loans services.

STAFF: 1 professional librarian and 3 library technicians.

QUALIFIED USERS: Services are primarily for medical doctors, dentists, engineers, pharmacists, physicists, biochemists, biologists, managers, public health officers, ADP personnel, lawyers, and administrators. However, the services are also available to the general public.

Entry 5

NAME: Center for Air Environment Studies

ADDRESS: Pennsylvania State University, 226 Chemical Engineering II, University Park, Pennsylvania 16802

TELEPHONE NUMBER: Area 814, 865-1415

NAME AND TITLE OF CONTACT: Dr. William Moroz, Director

NAME OF PARENT ORGANIZATION: Pennsylvania State University

SPONSOR: National Air Pollution Control Administration, Environmental Health Service

YEAR STARTED: 1963

MISSION: To train and educate students to become research investigators, technicians, or administrators in the field of air pollution, and to conduct research in air environment problems.

MAJOR SUBJECT FIELDS COVERED: Air-pollution research.

HOLDINGS: Has about 16,000 documents stored on microfilm and 6,000 reprints and reports in the air environment field. Also has legal files, specialized journals, some hard-bound books, and other sources of air-pollution information.

PRODUCTS AND SERVICES: Published the Index to Air Pollution Research, which has now been replaced by the Guide to Air Pollution Research; publishes Air Pollution Titles, accession lists, proceedings, reprints, thesauri, research reports; provides copy service, sponsors' annual conferences; offers referral services and searches of the holdings.

STAFF: Has a total staff of 29.

QUALIFIED USERS: Services are primarily available to the staff, faculty, and the students of the University. However, access by others is available on request as workload permits.

Entry 6

NAME: Emergency Operations Control Center

ADDRESS: National Air Pollution Control Administration, 411 West Chapel Hill Street, Durham, North Carolina 27701

TELEPHONE NUMBER: Area 919, 688-8146, Extension 265

NAME AND TITLE OF CONTACT: Donald F. Walters, Director, Division of Abatement

NAME OF PARENT ORGANIZATION: National Air Pollution Control Association, Environmental Health Service

SPONSOR: Department of Health, Education, and Welfare

YEAR STARTED: 1969

MISSION: The objective of the Emergency Operations Control Center is to serve NAPCA as a facility for the reception and processing of data relating to air-pollution episodes and the determination and initiation of avoidance actions to supplement those undertaken by local authorities.

MAJOR SUBJECT FIELDS COVERED: Air-pollution control, air-pollution episodes.

HOLDINGS: Log records.

PRODUCTS AND SERVICES: Will advise local authorities when endangerment of public health or welfare is imminent as a result of air pollution; will determine through technical analysis when abatement action by public utilities is desirable; and, in cases where the utilities are not responsive to local authorities, will request advice and assistance from the Federal Power Commission. The EOCC will also make post-episode analyses.

STAFF: Plans call for the assignment of a junior engineer for the routine operation of the EOCC. During emergency duty there should be a supervisor and two alternates, a meteorologist and two alternates, an abatement engineer and two alternates, a clerk and two alternates. There should also be available for on-call duty a medical doctor, a lawyer, a public-relations specialist, a communications technician, and engineers knowledgeable in process emissions, in power-plant emissions control, in vehicular and mass transportation control, and in natural gas and electric power distribution.

QUALIFIED USERS: Primarily for NAPCA personnel and state and local air-pollution agencies.

Entry 7

NAME: Federal Facilities Air Pollution Inventory Program

ADDRESS: National Air Pollution Control Association, 9600 Fisher Lane, Rockville, Maryland Room No. 17B-42

TELEPHONE NUMBER: Area 301, 443, 4080

NAME AND TITLE OF CONTACT: Charles A. Kossack, Sanitary Engineer

NAME OF PARENT ORGANIZATION: National Air Pollution Control Association, Environmental Health Service

SPONSOR: Department of Health, Education, and Welfare

YEAR STARTED: 1966

MISSION: To maintain an inventory of waste products resulting from fuel burning, industrial processes, aircraft, and other sources of pollutants.

MAJOR SUBJECT FIELDS COVERED: Air pollution, fuel burning, wastes, industrial processes, and aircraft pollution.

HOLDINGS: 25,000 records.

PRODUCTS AND SERVICES: Provides fast access to air-pollution and emission data.

STAFF: 2 professionals, 3 clerical.

QUALIFIED USERS: All Federal Agencies.

Entry 8

NAME: Fuel Additives Register

ADDRESS: National Center for Air Pollution Control, 411 West Chapel Hill Street, Durham, North Carolina 27701

TELEPHONE NUMBER: Area 919, 688-8146, Extension 265

NAME AND TITLE OF CONTACT: Henry C. Miller, Jr.

NAME OF PARENT ORGANIZATION: National Air Pollution Control Administration, Environmental Health Service.

SPONSOR: Department of Health, Education, and Welfare

YEAR STARTED: Not yet operational

MISSION: The system will be a source of information concerning which chemicals are used in what concentrations, and in what geographical locations.

MAJOR SUBJECT FIELDS COVERED: Fuel additives.

HOLDINGS: None.

PRODUCTS AND SERVICES: Lists of registered fuel additives.

STAFF: To be 3 or 4.

QUALIFIED USERS: Primarily for qualified NAPCA personnel with a need to know.

Entry 9

NAME: Intelligence Center on Batteries

ADDRESS: Argonne National Laboratories, 9700 South Cass Avenue, Argonne, Illinois.

TELEPHONE NUMBER: Area 312, 739-7711

NAME AND TITLE OF CONTACT: Dr. Elton J. Cairns

NAME OF PARENT ORGANIZATION: Bureau of Engineering and Physical Sciences, National Air Pollution Control Administration, Environmental Health Service

SPONSOR: Department of Health, Education, and Welfare

YEAR STARTED: 1969

MISSION: To keep NAPCA scientific and technical personnel advised of recent developments in battery technology and to serve as consultants to NAPCA in this area.

MAJOR SUBJECT FIELDS COVERED: Battery and fuel-cell technology.

HOLDINGS: No information repository is involved.

PRODUCTS AND SERVICES: State-of-the-art information provided on an informal basis upon request by sponsor.

STAFF: No fixed staff.

QUALIFIED USERS: Individuals within the Bureau of Engineering and Physical Sciences concerned with battery and fuel-cells technology.

Entry 10

NAME: National Aerometric Data System

ADDRESS: National Air Pollution Control Administration, 411 West Chapel Hill Street, Durham, North Carolina 27701

TELEPHONE NUMBER: Area 919, 688-8146, Extension 414

NAME AND TITLE OF CONTACT: Tommie L. Rogers, Systems Analyst

NAME OF PARENT ORGANIZATION: National Air Pollution Control Administration, Environmental Health Service

SPONSOR: Department of Health, Education, and Welfare

YEAR STARTED: Not yet operational, in early planning stage

MISSION: The present system is a revision of the SAROAD system (see elsewhere for further information) with the purpose of providing greater speed, flexibility, and ease of application to data-handling problems by employing third-generation computers.

MAJOR SUBJECT FIELDS COVERED: Air-quality emissions.

HOLDINGS: None.

PRODUCTS AND SERVICES: None as yet.

STAFF: Information not available.

QUALIFIED USERS: Primarily for NAPCA and state and local agencies.

Entry 11

NAME: Neighborhood Environmental Evaluation and Decision System (NEEDS)

ADDRESS: Bureau of Community Environmental Management, 5555 Ridge Avenue, Cincinnati, Ohio 45213

TELEPHONE NUMBER: Area 513, 684-2636

NAME AND TITLE OF CONTACT: Joseph Schock

NAME OF PARENT ORGANIZATION: Bureau of Community Environmental Management, Environmental Health Service

SPONSOR: Department of Health, Education, and Welfare

YEAR STARTED: Not yet operational; should be operational sometime in 1970 (now in development stage)

MISSION: To determine what aspects of health, safety, or well-being are affected by the overall housing environment, how these aspects can be quantified for comparative and evaluative purposes, and what meaningful approach can be taken to develop an action program for protecting the health, safety, and well-being of the community.

MAJOR SUBJECT FIELDS COVERED: Public health, safety, and physical environment.

HOLDINGS: None.

PRODUCTS AND SERVICES: Consultant and computer services.

STAFF: 8 professionals, 2 clerical.

QUALIFIED USERS: Results of the NEEDS program will be supplied to city and state administrations and to EHS.

Entry 12

NAME: Nonionizing Radiation Document Retrieval System

ADDRESS: 12720 Twinbrook Parkway, Rockville, Maryland 20852

TELEPHONE NUMBER: Area 301, 496-8716

TITLE AND NAME OF CONTACT: Mrs. Elizabeth Rodgers, Technical Information Clerk

NAME OF PARENT ORGANIZATION: Division of Electronic Products, Bureau of Radiological Health, Environmental Health Service

SPONSOR: Department of Health, Education, and Welfare

YEAR SRARTED: 1969

MISSION: To support the technical staff of DEP in document retrieval, through literature screening, keywording, and a coordinate index system for implementation of PL 90-602.

MAJOR SUBJECT FIELDS COVERED: Laser, microwave, radar, ultrasound, and related nonionizing radiation subjects.

HOLDINGS: Has about 100 books, journal articles, abstracts, and R&D reports.

PRODUCTS AND SERVICES: Provides accession lists, copy service, selective dissemination of information, thesauri, plans to produce permuted indexes; searches the holdings, provides referral service, and will provide documents in response to specific questions.

STAFF: 1 technical information clerk in addition to the division staff.

QUALIFIED USERS: Services are primarily for field and headquarters staff of the Bureau of Radiological Health, state radiological health personnel, and others working in radiological health. However, the services are also available to the general public as resources permit.

Entry 13

NAME: Radiation Incidents Analysis System

ADDRESS: 1901 Chapman Avenue, Room 318A, Rockville, Maryland 20852

TELEPHONE NUMBER: Area 301, 496-8775

NAME AND TITLE OF CONTACT: Mr. Gail Schmidt, Chief, Radioactive Materials Branch

NAME OF PARENT ORGANIZATION: Bureau of Radiological Health, Environmental Health Service

SPONSOR: Department of Health, Education, and Welfare

YEAR STARTED: 1965

MISSION: To collect and analyze information on causes of radium accidents in order to advise state regulatory agencies and users on radiation protection procedures.

MAJOR SUBJECT FIELDS COVERED: Radium accidents and other radioisotope incidents.

HOLDINGS: Has a total of about 800 books, journal articles, abstracts, R&D reports, data sheets, correspondence, photographs, trip reports, clippings, and personnel or organization background records.

PRODUCTS AND SERVICES: Provides reviews, evaluations, and correlations.

STAFF: 1 technical information specialist and branch staff.

QUALIFIED USERS: Services are primarily for field and headquarters staff of the Bureau of Radiological Health, state radiological health personnel, and others working in radiological health. However, the services are also available to the general public as resources permit.

Entry 14

NAME: Radiation Incident Registry

ADDRESS: 12720 Twinbrook Parkway, Rockville, Maryland 20852

TELEPHONE NUMBER: Area 301, 496-8225

NAME AND TITLE OF CONTACT: Dr. Loren Mills, Project Officer

NAME OF PARENT ORGANIZATION: Bureau of Radiological Health, Environmental Health Service

SPONSOR: Department of Health, Education, and Welfare

YEAR STARTED: 1969

MISSION: To collect and document radiation incidents caused by electronic product radiation as required to fulfill requirements of Section 360D of PL 90-602.

MAJOR SUBJECT FIELDS COVERED: Electronic product radiation incidents and accidents.

HOLDINGS: Documentation of 127 incidents.

PRODUCTS AND SERVICES: Plans are to provide reviews, evaluations, correlations, and reports to Congress

STAFF: 1 project officer, 1 public health analyst, 1 statistical clerk, 1 secretary.

QUALIFIED USERS: Services are primarily for field and headquarters staff of the Bureau of Radiological Health, state radiological health personnel, and others working in radiological health. However, the services are also available to the general public as resources permit.

Entry 15

NAME: Radiation Bioeffects Document Retrieval System

ADDRESS: 12709 Twinbrook Parkway, Room 3, Rockville, Maryland 20852

TELEPHONE NUMBER: Area 301, 496-8630

NAME AND TITLE OF CONTACT: Mrs. Evelyn Surles, Editorial Assistant

NAME OF PARENT ORGANIZATION: Division of Biological Effects, Bureau of Radiological Health, Environmental Health Service.

SPONSOR: Department of Health, Education, and Welfare

YEAR STARTED: 1969

MISSION: To support the technical staff of DBE in document retrieval through a literature screening, keywording, and a coordinate index system.

MAJOR SUBJECT FIELDS COVERED: Radiobiology.

HOLDINGS: Contains a total of about 250 journal articles.

PRODUCTS AND SERVICES: Publishes journal lists, and provides copy service, searches of the holdings, and referral service.

STAFF: 1 editorial assistant, 1 clerk-typist, and division staff.

QUALIFIED USERS: Services are primarily for field and headquarters staff of the Bureau of Radiological Health, state radiological health personnel, and others working in radiological health. However, the services are also available to the general public as resources permit.

Entry 16

NAME: Radioactive Materials Document Retrieval System

ADDRESS: 1901 Chapman Avenue, Room 330, Rockville, Maryland 20852

TELEPHONE NUMBER: Area 301, 496-8411

TITLE AND NAME OF CONTACT: Dana Burnett, Technical Information Specialist

NAME OF PARENT ORGANIZATION: Division of Medical Radiation Exposure, Bureau of Radiological Health, Environmental Health Service

SPONSOR: Department of Health, Education, and Welfare

YEAR STARTED: 1965

MISSION: To support the technical staff of DMRE in document retrieval through literature screening, keywording, and coordinate indexing system. DMRE is responsible for a national program to reduce nonproductive medical radiation exposure.

MAJOR SUBJECT FIELDS COVERED: Radioactive materials, radium, contamination/decontamination, nuclear medicine, shielding, and related subjects.

HOLDINGS: 50 books, 2,200 journal articles, 400 R&D reports, and 25 theses.

PRODUCTS AND SERVICES: Publishes accession lists, permuted indexes, thesauri; provides copy service, selective dissemination of information, referral service, and searches of the holdings.

STAFF: 1 technical information specialist.

QUALIFIED USERS: Services are primarily for field and headquarters staff of the Bureau of Radiological Health, state radiological health personnel, and others working in radiological health. However, the services are also available to the general public as resources permit.

Entry 17

NAME: Radiological Health Standards Document Retrieval System

ADDRESS: 5600 Fishers Lane, Room 15-56, Rockville, Maryland 20852

TELEPHONE NUMBER: Area 301, 443-4660

NAME AND TITLE OF CONTACT: Mr. Loren Zelsman, Public Health Analyst

NAME OF PARENT ORGANIZATION: Office of Criteria and Standards, Bureau of Radiological Health, Environmental Health Service

SPONSOR: Department of Health, Education, and Welfare

YEAR STARTED: 1967

MISSION: To provide direction and coordination for standards development and promulgation services for BRH.

MAJOR SUBJECT FIELDS COVERED: Regulations, standards, guides, and legislation covering the electromagnetic spectrum.

HOLDINGS: 50 books, 200 journal articles, 100 R&D reports, and 500 specifications.

PRODUCT AND SERVICES: Provides abstracts and indexes, copy service, state-of-the-art reviews, and searches of the holdings.

STAFF: 1 public health analyst and professional staff.

QUALIFIED USERS: Services are primarily for field and headquarters staff of the Bureau of Radiological Health, state radiological health personnel, and others working in radiological health. However, the services are also available to the general public as resources permit.

Entry 18

NAME: Radiotoxicology Information Center (SERHL)

ADDRESS: P. O. Box 61, Montgomery, Alabama 36101

TELEPHONE NUMBER: Area 205, 272-3402, Extension 62

NAME AND TITLE OF CONTACT: Mrs. Robbie Kelso

NAME OF PARENT ORGANIZATION: Southeastern Radiological Health Laboratory, Bureau of Radiological Health, Environmental Health Service

SPONSOR: Department of Health, Education, and

YEAR STARTED: 1967

MISSION: To provide information on the toxicology on th management of radiation accidents.

MAJOR SUBJECT FIELDS COVERED: Radiotoxici strontium-90, cesium-137, tritium, and radium-22

HOLDINGS: Total of 1500 books, journal articles,

PRODUCTS AND SERVICES: Provides state-of-the and provides data in response to specific questions

STAFF: 1 physician, 1 information specialist.

QUALIFIED USERS: Services are available to the

Entry 19

NAME: SAROAD (Storage and Retrieval of Aerome

ADDRESS: National Air Pollution Control Associat Emission Data, 200 Colonial Center, 5725 Dragon

TELEPHONE NUMBER: Area 513, 272-0608

NAME AND TITLE OF CONTACT: Gerald J. Nehl

NAME OF PARENT ORGANIZATION: Division of National Air Pollution Control Administration, Env

SPONSOR: Department of Health, Education, and

YEAR STARTED: 1967

MISSION: SAROAD is a national air data bank with systemizing the availability of air quality and asso (1) broad intelligence for use in nationwide progra the evaluation of ultimate effectiveness air conserv gence concerning ecological effects of air pollution those interested in problems on the variation of air pollutants, and the interrelationship of air pollutio parameters, and (4) information which will aid the standardizing techniques in monitoring and analysi and interpretation of the resulting data.

MAJOR SUBJECT FIELDS COVERED: Atmospheric pollution concentrations.

HOLDINGS: Holdings consist of data on air pollution which have been supplied by various air monitoring agencies throughout the United States.

PRODUCTS AND SERVICES: SAROAD can provide contributing agencies with standard data tabulations and summaries on air-quality measurements. In addition to providing data, SAROAD can also provide computer programs for manipulating air-quality data.

STAFF: 15 professionals, 5 clerical.

QUALIFIED USERS: Services are primarily for persons involved in air-monitoring activities.

Entry 20

NAME: Solid Waste Information Retrieval System (SWIRS)

ADDRESS: Office of Information, Bureau of Solid Waste Management, 5600 Fishers Lane, Rockville, Maryland 20853

TELEPHONE NUMBER: Area 301, 443-1852

NAME AND TITLE OF CONTACT: John A. Connolly, Technical Information Officer

NAME OF PARENT ORGANIZATION: Bureau of Solid Waste Management, Environmental Health Service

SPONSOR: Department of Health, Education, and Welfare

YEAR STARTED: 1967

MISSION: To organize, for quick retrieval, the published information concerning current research and technological developments in the solid-waste field throughout the world; to update and keep current the Refuse Collection and Disposal Annotated Bibliography series for worldwide distribution.

MAJOR SUBJECT FIELDS COVERED: All aspects of solid-waste management.

HOLDINGS: 600 books, 64 bound volumes of journals, 1338 whole issues of journals, 6500 abstracts, 1253 patents, 1200 photographs, 431 vendor's literature, 15 theses, 10 translations, 17,000 clippings, 32 bibliographies, and correspondence.

PRODUCTS AND SERVICES: Publishes accession lists, abstracts, translations, thesauri, journal lists, provides loan service, audiovisual material, referral service, state-of-the-art reviews; searches the holdings; and provides data in response to specific questions.

STAFF: 1 technical information officer, 2 technical information specialists, 1 secretary, 1 clerk typist.

QUALIFIED USERS: The services of the system are limited to the use of Bureau personnel due to size of staff.

Entry 21

NAME: Technical Reference Service (TRS)

ADDRESS: 1014 Broadway, Cincinnati, Ohio 45202

TELEPHONE NUMBER: Area 513, 684-2693

NAME AND TITLE OF CONTACT: James Oser

NAME OF PARENT ORGANIZATION: Bureau of Occupational Safety and Health, Environmental Health Service

SPONSOR: Department of Health, Education, and Welfare

YEAR STARTED: Officially identified as an information service in 1958; however, has been active in information services since 1914

MISSION: To serve as a resource of information on occupational health hazards and the toxicity of industrial materials.

MAJOR SUBJECT FIELDS COVERED: Occupational health, including toxicology.

HOLDINGS: 202 periodicals, 3800 bound volumes of journals, and 3000 reference texts.

PRODUCTS AND SERVICES: Provides searches and analytical responses to specific inquiries. Also provides copies of abstracts or complete documents.

STAFF: The full-time staff consists of 1 industrial hygienist, 1 physical science aide, and 1 clerk. The part-time staff consists of 1 professional and 1 clerk. The assistance of the research and field staff is also available to SRS.

QUALIFIED USERS: The service is directed mainly to professional personnel and others having responsibilities for decisions and actions in occupational health. However, the services are available within reasonable limits to anyone having a question on any aspect of occupational health or closely related thereto.

Entry 22

NAME: X-Ray Document Retrieval System

ADDRESS: 12720 Twinbrook Parkway, Room 147, Building 1, Rockville, Maryland 20852

TELEPHONE NUMBER: Area 301, 496-8716

NAME AND TITLE OF CONTACT: Mrs. Elizabeth Rodgers, Technical Information Clerk

NAME OF PARENT ORGANIZATION: Division of Electronic Products, Bureau of Radiological Health, Environmental Health Service

SPONSOR: Department of Health, Education, and Welfare

YEAR STARTED: 1966

MISSION: To provide information on X-ray exposure and the most efficient utilization of X-rays.

MAJOR SUBJECT FIELDS COVERED: X-ray devices, dosimetry, instrumentation, dental and medical procedures, radiation protection.

HOLDINGS: Has about 100 books, 2000 journal articles, 300 R&D reports, and 10 theses.

PRODUCTS AND SERVICES: Publishes accession lists, permuted indexes, thesauri; provides copy service, selective dissemination of information, referral service; and makes searches of the holdings.

STAFF: 1 technical information clerk.

QUALIFIED USERS: Services are generally for field and headquarters personnel of the Bureau of Radiological Health, state radiological health personnel, and others in radiological health such as dentists, radiologists, and health physicists. However, services are also available to the general public, as resources permit.

SELECTED INFORMATION SOURCES EXTERNAL TO ENVIRONMENTAL HEALTH SERVICE

Entry 23

NAME: Air Pollution Control Association

ADDRESS: 4400 5th Avenue, Pittsburgh, Pennsylvania 15213

TELEPHONE NUMBER: Area 412, 621-1100 (Mellon Institute)

NAME AND TITLE OF CONTACT: Mr. Arnold Arch, Executive Secretary

NAME OF PARENT ORGANIZATION: None

SPONSOR: Supported by corporate and individual memberships

YEAR STARTED: 1907

MISSION: Abatement and/or prevention of atmospheric pollution, encouragement of public acceptance of the necessity for atmospheric pollution prevention, encouragement of the development and adoption of apparatus, equipment, and operating procedures to prevent pollution, encouragement of the development and adoption of engineering standards of performance, and promotion of research in the solutions of problems related to atmospheric pollution.

MAJOR SUBJECT FIELDS COVERED: Atmospheric pollution and control.

HOLDINGS: 2500 periodicals and books.

PRODUCTS AND SERVICES: Publishes the APCA Journal and the APCA Abstracts. Holds annual and sectional meetings and provides informational services. Also inaugurates research projects.

STAFF: 4 professionals, 8 nonprofessionals.

QUALIFIED USERS: Services are available to the general public with charges only for actual publications.

Entry 24

NAME: American Industrial Hygiene Association

ADDRESS: 25711 Southfield Road, Southfield, Michigan 48075

TELEPHONE NUMBER: Area 313, 352-4110

NAME AND TITLE OF CONTACT: George D. Clayton, Managing Director

NAME OF PARENT ORGANIZATION: None

SPONSOR: Supported by corporate and individual memberships

YEAR STARTED: 1939

MISSION: To promote the study and control of environmental factors affecting the health and well-being of industrial workers.

MAJOR SUBJECT FIELDS COVERED: Air pollution, analytical chemistry, biochemical assays, contaminant control ventilation, engineering, hygienic guides, ergonomics, noise, radiation, respiratory protective equipment, and toxicology.

HOLDINGS: No holdings; relies on voluntary professional talent to provide services.

PRODUCTS AND SERVICES: Publishes Air Pollution Manual, Industrial Noise Manual, Hygienic Guides, Community Air Quality Guides, American Industrial Hygiene Association Journal, and other manuals. Provides short courses, referral service, searches of holdings, state-of-the-art reviews, responses to specified questions, and holds annual meetings.

STAFF: 5 clerical, 1 professional.

QUALIFIED USERS: Publications are publicly available for a fee. Services are primarily for industrial hygienists who are members of AIHA but are also available to others.

Entry 25

NAME: American Petroleum Institute Library, Environmental Affairs Section

ADDRESS: 1271 Avenue of the Americas, New York, New York 10020

TELEPHONE NUMBER: Area 212, JU 6-4200

NAME AND TITLE OF CONTACT: Lois Schuermann, Reference Librarian

NAME OR PARENT ORGANIZATION: American Petroleum Institute

SPONSOR: Supported by memberships

YEAR STARTED: 1966

MISSION: To collect the current literature on air and water conservation and toxicology.

MAJOR SUBJECT FIELD COVERED: Air and water conservation, toxicology, and occupational medicine as related to the problems of the petroleum industry.

HOLDINGS: 150 books, 2000 reports (estimated), 50 journal titles.

PRODUCTS AND SERVICES: Formerly published Subject Index To Current Literature On Air And Water Conservation. Now publishes Abstracts of Air and Water Conservation Literature. Provides copy and loan services, and for API members searches the holdings, and provides referral service and data in response to specific questions.

STAFF: 1 professional.

QUALIFIED USERS: The library collection is open to the public with fees only for the cost of publications.

Entry 26

NAME: Analytical Methods Retrieval System

ADDRESS: Room 4415, CF-30, 200 "C" Street, S. W., Washington, D. C. 20204

TELEPHONE NUMBER: Area 202, 962-2165

NAME AND TITLE OF CONTACT: Hyman P. Eiduson, Director, Field Scientific Coordination Staff

NAME OF PARENT ORGANIZATION: Field Scientific Coordination Staff, Food and Drug Administration

SPONSOR: Department of Health, Education, and Welfare.

YEAR STARTED: 1969

MISSION: Collection and evaluation of analytical methods presently in use in field laboratories.

MAJOR SUBJECT FIELDS COVERED: Pesticides, drugs, hazardous substances, food additives, microbiology, and extraneous filth.

HOLDINGS: Not given.

PRODUCTS AND SERVICES: Not given.

STAFF: Not given.

QUALIFIED USERS: Not given.

Entry 27

NAME: Archive Library of the American Medical Association

ADDRESS: 535 N. Dearborn Street, Chicago, Illinois 60610

TELEPHONE NUMBER: Area 312, 527-1500

NAME AND TITLE OF CONTACT: Susan Crawford, Director

NAME OF PARENT ORGANIZATION: American Medical Association

SPONSOR: Individual Memberships

YEAR STARTED: 1911

MISSION: Serves as a repository for medical literature and reference sources for AMA staff and AMA publications.

MAJOR SUBJECT FIELDS COVERED: Clinical medicine, medical socioeconomics, U. S. medical history, and international health.

HOLDINGS: The library has about 2200 journal subscriptions and 40,000 books related to clinical medicine. There is a special collection of over 20,000 items related to sociology and economics of medicine.

PRODUCTS AND SERVICES: Publishes the Journal of the American Medical Association, Today's Health, AMA News, Proceedings of the AMA House, Digest of AMA Official Actions, Index to the Literature of Medical Socio Economics, and AMA specialty journals (10 publications, semiannually). The Library conducts medical literature searches, compiles bibliographies, and provides photocopies of articles.

STAFF: 15 professionals, 14 nonprofessionals.

QUALIFIED USERS: The Library is open to members of AMA only. Reference services are available to the public.

Entry 28

NAME: Aspen Systems Corporation (formerly Health Law Center)

ADDRESS: The Webster Hall, Pittsburgh, Pennsylvania 15213

TELEPHONE NUMBER: Area 412, 621-3254

NAME AND TITLE OF CONTACT: John F. Horty, President

NAME OF PARENT ORGANIZATION: None

SPONSOR: Commercial venture

YEAR STARTED: 1968

MISSION: Indexing and retrieval services for statute law.

MAJOR SUBJECT FIELDS COVERED: Statute law, and a limited data base on case law.

HOLDINGS: Complete text of all statutes of all 50 states and a limited data base on case law.

PRODUCTS AND SERVICES: Retrieval of statutes with relevant laws provided as computer print-out or photocomposed pages. Computerized Law Index (KWIC) (Quarterly), Hospital Law Manual (Quarterly).

STAFF: 50 professionals, 75 nonprofessionals.

QUALIFIED USERS: Government, industry insurance companies, trade associations, foundations, and law firms.

Entry 29

NAME: Bay Area Air Pollution Control District

ADDRESS: 939 Ellis Street, San Francisco, California 94109

TELEPHONE NUMBER: Area 415, 771-6000

NAME AND TITLE OF CONTACT: D. J. Callaghan, Chief Administrative Officer

NAME OF PARENT ORGANIZATION: None

SPONSOR: Established by the California Legislature and operated on appropriations from a 6-county area.

YEAR STARTED: 1955

MISSION: Control of air pollution from stationary sources.

MAJOR SUBJECT FIELD COVERED: Air pollution, air sampling, meteorology, analytical methods, legislation, and enforcement procedures.

HOLDINGS: 15,780 items on microfilm.

PRODUCTS AND SERVICES: Publishes Air Currents (newsletter), provides copy service, reviews, and group speaking engagements with films. Also provides searches of the holdings, referral services, and data in response to specific questions.

STAFF: 67 professionals, 24 nonprofessionals.

QUALIFIED USERS: There is no restriction on the use of the technical collection; information on individual industrial firms is restricted to internal use.

Entry 30

NAME: Clearinghouse for Federal Scientific and Technical Information (CFSTI)

ADDRESS: 5285 Port Royal Road, Springfield, Virginia 22151

TELEPHONE NUMBER: Area 703, 321-8500

NAME AND TITLE OF CONTACT: Hubert E. Sauter, Director

NAME OF PARENT ORGANIZATION: National Bureau of Standards

SPONSOR: U. S. Department of Commerce

YEAR STARTED: 1964 (Predecessors--1946)

MISSION: Provides a single point of contact with the Federal Government through which the results of Government-sponsored research and science and technology are made available to industry, commerce, and the general public; provides a central service for the control of translations of foreign technical documents.

MAJOR SUBJECT FIELD COVERED: ALL COSATI subject categories.

HOLDINGS: The Clearinghouse collection contains over 570,000 report titles.

PRODUCTS AND SERVICES: Publishes the U. S. Government Research and Development Reports (USGRDR) and Index, Clearinghouse Announcements on Science and Technology, and FAST Announcement Service (FAS). On a subscription basis provides AEC-NASA Tech Briefs, Aerospace Medicine and Biology, patent microfilm service,

population trends and effects, Reliability Abstracts and Technical Reviews, Selected Water Resources Abstracts, selective dissemination of microfiche (SDM), and an English translation of Staub (Dust Clean Air) among others. Also supplies copies of unclassified DOD Reports at a cost of $3.00 for full size and 65¢ for most microfiche.

STAFF: Total of 273, 52 of whom are professional.

QUALIFIED USERS: Services are available to the industrial and technical sectors and to the general public.

Entry 31

NAME: Council on Environmental and Public Health

ADDRESS: 535 North Dearborn Street, Chicago, Illinois 60610

TELEPHONE NUMBER: Area 312, 527-1500, Extension 406

NAME AND TITLE OF CONTACT: Frank Barton, Executive Secretary

NAME OF PARENT ORGANIZATION: American Medical Association

SPONSOR: Supported by membership fees

YEAR STARTED: 1963

MISSION: The committee is responsible for medicine's interest in the relationship of man to his surroundings, particularly those areas which pertain to the control of transmissable disease; air, water, and soil pollution; ionizing and other radiation affecting the public; health problems related to population growth; urbanization; and technological developments bearing on the ecology of man.

MAJOR SUBJECT FIELDS COVERED: Public health, medical treatment, environmental health, aging, and safety.

HOLDINGS: Extensive resources – uses AMA library plus unknown quantity of material directly available in private collection.

PRODUCTS AND SERVICES: Has published a number of reports related to its areas of interest. Provides searches of the holdings and data in response to specific questions. Also sponsors seminars throughout the year.

STAFF: 3 professionals (expansion of effort is planned).

QUALIFIED USERS: Services are directed primarily to physicians and nurses, but limited service is given to the public.

Entry 32

NAME: Defense Documentation Center (DDC)

ADDRESS: Cameron Station, Alexandria, Virginia 22314

TELEPHONE NUMBER: Area 202, 694-7067

NAME AND TITLE OF CONTACT: Dr. Robert B. Stegmaier, Jr., Administrator

NAME OF PARENT ORGANIZATION: Defense Supply Agency, Department of Defense
Policy Direction: Director of Defense Research and Engineering

SPONSOR: Department of Defense

YEAR STARTED: Began in 1951 as ASTIA, renamed DDC in 1963.

MISSION: Secondary distribution of classified and limited-distribution reports generated by defense contractors and military organizations. (Unclassified DOD reports are processed by the Clearinghouse.)

MAJOR SUBJECT FIELDS COVERED: All areas of science and technology of interest to the Department of Defense, some of which are agriculture, atmospheric sciences, biological and medical sciences, chemistry, and earth sciences and oceanography.

HOLDINGS: The Center's technical report collection currently totals more than 950,000 titles.

PRODUCTS AND SERVICES: Publishes the Technical Abstract Bulletin (TAB), the TAB Index, and the DDC Digest. The Center provides full-size copies of reports at a charge of $3.00 per report. Other services include preparation of several kinds of bibliographies: The first is a bibliography prepared for subject areas for which numerous requests are anticipated; the second type is a report bibliography which is prepared in response to a specific request; the third type of bibliography is a rapid-response bibliography which is prepared in response to a telephone request. The first two types of bibliographies may or may not contain abstracts, the last contains only references.

The Work Unit Information System of DDC helps R&D managers to identify ongoing efforts in any scientific discipline or area of technology, to determine the approach and current status of technical efforts related to their own tasks, to identify scientists and engineers working in areas of similar technical interests, and to maintain current awareness through periodic review of progress statements and pertinent work units. DDC also provides referral service and maintains and develops the DOD source of engineering and scientific terms.

STAFF: Total of 562, ninety of whom are professional.

QUALIFIED USERS: DDC Services are available only to the Defense Department and other Federal organizations and to their contractors, subcontractors, and grantees.

Entry 33

NAME: Department of Housing and Urban Developm

ADDRESS: 451 7th Street, S. W., Washington, D. C

TELEPHONE NUMBER: Area 202, 755-6370

NAME AND TITLE OF CONTACT: Mrs. Elsa S. Fr

NAME OF PARENT ORGANIZATION: Office of Gene for Administration, Department of HUD

SPONSOR: Department of Housing and Urban Develo

YEAR STARTED: Created in 1966 by administrative files date back to 1948

MISSION: The HUD Library is a technical informati to serve HUD staff, other Government Agencies, out and the general public.

MAJOR SUBJECT FIELDS COVERED: All aspects o including water and air pollution, ecology, and sanit collection.

HOLDINGS: The holdings of the three merged librar 280,000 items, including books, periodicals, resear picture films, city charters, state statutes, and an a There are a total of about 20,500 volumes in the lega

PRODUCTS AND SERVICES: Publishes reports, ind which are the "Housing and Planning References". A provides advisory, reference, abstracting, literatur services; makes interlibrary loans.

STAFF: 7 professionals and 5 nonprofessionals.

QUALIFIED USERS: The Library is set up primarily but is also available to other interested persons.

Entry 34

NAME: Division of Hazardous Substances, Household Substances Data File

ADDRESS: Room 5844, FB-8, Washington, D. C. 20204

TELEPHONE NUMBER: Area 202, 963-5571

NAME AND TITLE OF CONTACT: Dr. W. E. Ligon, Jr.

NAME OF PARENT ORGANIZATION: Office of Product Safety, Food and Drug Administration

SPONSOR: Department of Health, Education, and Welfare.

YEAR STARTED: 1961

MISSION: To assemble and interpret hazardous properties data obtained from laboratory findings, published literature, and commercial sources.

MAJOR SUBJECT FIELDS COVERED: Toxicology of primary chemical substances which may be potentially hazardous.

HOLDINGS: Several thousand laboratory reports, 5,000 to 8,000 books and journals, 500 research and/or development reports, 400 clinical reports.

PRODUCTS AND SERVICES: Conducts laboratory tests; provides searches of holdings, including explicit fact retrieval; renders toxicological opinions in response to some requests.

STAFF: 3 pharmacologists, 2 chemists, and 2-3 nonprofessionals.

QUALIFIED USERS: Services are available to the public. Some data are proprietary.

Entry 35

NAME: Division of Poison Control (National Clearinghouse for Poison Control Centers)

ADDRESS: 200 "C" Street, S. W., Washington, D. C. 20204

TELEPHONE NUMBER: Area 202, 557-2226

NAME AND TITLE OF CONTACT: Henry L. Verhulst, Director

NAME OF PARENT ORGANIZATION: Office of Product Safety, Food and Drug Administration

SPONSOR: Department of Health, Education, and Welfare

YEAR STARTED: 1957

MISSION: To provide medical and toxicologic information on household products and medicines to the nation's 560 poison control centers. Maintains surveillance of the type and changes in childhood ingestions and conducts a prevention program.

MAJOR SUBJECT FIELDS COVERED: Household products that children are likely to ingest and poison themselves.

HOLDINGS: 400,000 clinical reports, 35,000 data records, 3000 journals, 2000 correspondence records, 1000 abstracts, 300 laboratory/test reports, 100 books.

PRODUCTS AND SERVICES: Provides searches of holdings; prepares 5 x 8 cards containing poison information for distribution to 560 poison control centers; prepares and circulates statistical tabulations.

STAFF: 1 physician, 3 pharmacists, 1 advisor, 6 nonprofessionals.

QUALIFIED USERS: Services available to physicians and public through the 560 poison control centers. Some centers restrict services to physicians.

Entry 36

NAME: FDA HQ, Library, CS-34

ADDRESS: FB-8, 200 "C" Street, S. W., Washington, D. C. 20204

TELEPHONE NUMBER: Area 202, 962-8040

NAME AND TITLE OF CONTACT: Grayson B. Tabler, Librarian

NAME OF PARENT ORGANIZATION: Literature Services Staff, Science Information Facility, Associate Commissioner for Sciences, Food and Drug Administration

SPONSOR: Department of Health, Education, and Welfare.

YEAR STARTED: 1965

MISSION: To provide library services, including acquisitions, cataloging and reference, to the FDA in support of its mission.

MAJOR SUBJECT FIELDS COVERED: Chemistry, biological sciences, pharmacology, food, drugs.

HOLDINGS: 8000 books, 7000 bound journals, 1000 bibliographies, 200 research and/or development reports, 200 vendors' items, 500 compendia.

PRODUCTS AND SERVICES: Provides searches of holdings including explicit fact retrieval and prior-art searches; also provides reference, referral, copy, and loan services.

STAFF: 5 librarians, 1 information specialist, 4 nonprofessionals.

QUALIFIED USERS: Reference service is limited to Government personnel. Searches are limited to HEW personnel. Loans are made to extra-Government libraries but excludes extra-Government personnel.

Entry 37

NAME: HUD Clearinghouse Service

ADDRESS: Department of Housing and Urban Development, Office of Small Town Services and Intergovernmental Relations, Room 7136, 451 7th Street, N. W., Washington, D. C. 20410

TELEPHONE NUMBER: Area 202, 755-6170

NAME AND TITLE OF CONTACT: Bernard Urban, Director

NAME OF PARENT ORGANIZATION: Department of Housing and Urban Development

SPONSOR: Department of Housing and Urban Development

YEAR STARTED: 1966

MISSION: The Clearinghouse assists Governmental units at all levels, general Government groups, professional and trade associations corporations, universities, and research organizations, by providing technical information on urban-related research and community development activities.

MAJOR SUBJECT FIELDS COVERED: Housing information.

HOLDINGS: Records of R & D reports.

PRODUCTS AND SERVICES: Distributes HUD-generated R&D reports and planning assistance reports, and maintains descriptions of R&D projects and progress in response to inquiries concerning ongoing R&D project descriptions.

STAFF: 3 professionals, 1 clerical.

QUALIFIED USERS: Available to the general public.

Entry 38

NAME: Industrial Hygiene Foundation of America, Inc.

ADDRESS: 5231 Centre Avenue, Pittsburgh, Pennsylvania 15232

TELEPHONE: Area (412), 687-2100

NAME AND TITLE OF CONTACT: Dr. Robert T. P. de Treville, President

NAME OF PARENT ORGANIZATION: None

SPONSOR: Supported by membership fees

YEAR STARTED: 1935

MISSION: The health conservation of all occupational employees and improvement of work environment. Development of health-conservation programs in industry.

MAJOR SUBJECT FIELDS COVERED: Environmental health research.

HOLDINGS: 130 journal titles, 2000 books, 40,000 abstracts in Industrial Hygiene Digest.

PRODUCTS AND SERVICES: Publishes Industrial Hygiene Digest and Index, Transactions of the IHF Annual Meetings, annual reports, books, publication lists, technical bulletins; provides copy service, loan service, technical consultant services, visitor services, referral service, state-of-the-art reviews, searches of holdings, and responses to specific inquiries.

STAFF: 12 professionals, 13 nonprofessionals.

QUALIFIED USERS: Publications are publicly available for a fee. Services are available only to member companies and associations.

Entry 39

NAME: Industrial Medical Association

ADDRESS: 55 E. Washington Street, Chicago, Illinois 60602

TELEPHONE NUMBER: Area 312, 782-2166

NAME AND TITLE OF CONTACT: Howard N. Schulz, Executive Director

NAME OF PARENT ORGANIZATION: None

SPONSOR: Supported by the membership of approximately 4,000 physicians

YEAR STARTED: Began in 1915 as the American Association of Industrial Physicians and Surgeons; renamed the Industrial Medical Association in 1951

MISSION: The mission of the Association is to foster the study of problems peculiar to the practice of industrial medicine and surgery; to organize members of the medical profession whose interests lie in that field; to encourage and foster the development of methods adapted to the conservation and improvement of health among workers; and to promote a more general understanding of the purposes and results of the medical care and health maintenance of these workers.

MAJOR SUBJECT FIELDS COVERED: Industrial or occupational medicine, industrial hygiene, and industrial nursing.

HOLDINGS: 250 bound volumes, 30 journal titles.

PRODUCTS AND SERVICES: Publishes the Journal of Occupational Medicine and the Roster of Members, designed to be useful in locating specially qualified physicians in any geographical area; provides an employment referral service and an inquiry service to furnish information on a large variety of subjects.

STAFF: 2 professionals, 4 nonprofessionals.

QUALIFIED USERS: Services are available to the public with fees only for the cost of publications.

Entry 40

NAME: Information Center for Internal Exposure

ADDRESS: Oak Ridge National Laboratory, Health Physics Division, Oak Ridge, Tennessee 37830

TELEPHONE: Area 615, 483-8611, Extension 3-1165

NAME AND TITLE OF CONTACT: S. R. Bernard, Director

NAME OF PARENT ORGANIZATION: Union Carbide Corporation

SPONSOR: U. S. Atomic Energy Commission

YEAR STARTED: 1948

MISSION: Estimation of dose received from internally deposited radionuclides; calculation of maximum permissible concentrations of radionuclides in air, water, and food; body-burden calculations; and analysis of information relevant to metabolic questions involved in estimating internal exposure.

MAJOR SUBJECT FIELDS COVERED: Radionuclides, body-burden calculations, metabolism.

HOLDINGS: 7000 accessioned items.

PRODUCTS AND SERVICES: Publishes compilations/handbooks, reprints; provides state-of-the-art reviews, searches of holdings, responses to specific inquiries; and makes recommendations to committees.

STAFF: 3 part-time professional (1.6 man-years), no nonprofessional staff.

QUALIFIED USERS: Work is performed primarily for Government agencies, their contractor laboratories, and for the National Council of Radiation Protection and Measurement and the International Committee on Radiological Protection. Inquiries from other sources are honored as work load permits.

Entry 41

NAME: International Atomic Energy Agency

ADDRESS: Karntnerring 11 (P. O. Box 590), A-1011 Vienna, Austria
UNITED STATES ADDRESS: United Nations Building, Room 2265, New York, New York 10017

TELEPHONE NUMBER: Area 212, PL 4-1234, Extension 2200

NAME AND TITLE OF CONTACT: Dr. Sigvard Eklund, Director General, Karntnerring 11 (P. O. Box 590), A-1011, Vienna, Austria

NAME OF PARENT ORGANIZATION: United Nations

SPONSOR: United Nations

YEAR STARTED: 1957

MISSION: "The Agency shall seek to accelerate and enlarge the contribution of atomic energy to peace, health and prosperity throughout the world. It shall ensure, so far as it is able, that assistance provided by it or at its request or under its supervision or control is not used in such a way as to further any military purpose." One of the functions of this Agency is "to foster the exchange of scientific and technical information on peaceful uses of atomic energy".

MAJOR SUBJECT FIELDS COVERED: Development of nuclear power, reactor technology, and nuclear studies; radiation sources and radioisotopes; atomic energy safety; and the legal aspects of atomic energy.

HOLDINGS: Books, films, and reports that pertain to the mission of the Agency.

PRODUCTS AND SERVICES: Books, films (400+), and documents are made available to scientists; scientific works are prepared, published, and distributed; personal contacts between scientists are promoted by means of scientific meetings.

STAFF: Unspecified staff.

QUALIFIED USERS: Member states; institutions and individual scientists in member states.

Entry 42

NAME: Laboratory Information Bulletin

ADDRESS: Room 4415, CF-30, 200 "C" Street, S. W., Washington, D. C. 20204

TELEPHONE NUMBER: Area 202, 962-2165

TITLE AND NAME OF CONTACT: Hyman P. Eiduson, Director, Field Scientific Coordination Staff

NAME OF PARENT ORGANIZATION: Field Scientific Coordination Staff, Food and Drug Administration

SPONSOR: Department of Health, Education, and Welfare.

YEAR STARTED: 1963

MISSION: To disseminate new ideas for analytical methodology, new techniques that appear to work, suggestions for laboratory safety, new recommendations on use of instrumentation, and various other developments.

MAJOR SUBJECT FIELDS COVERED: Color and cosmetics, drugs, foods, and food additives, hazardous substances, instrumentation, medicated feeds, microbiology and extraneous filth, pesticides, and safety.

HOLDINGS: Not given.

PRODUCTS AND SERVICES: Not given.

STAFF: Not given.

QUALIFIED USERS: Not given.

Entry 43

NAME: Military Entomology Information Service, Walter Reed Army Medical Center

ADDRESS: Forest Glen Section, Washington, D. C. 20012

TELEPHONE NUMBER: Area (202), 576-5365 or -5366

NAME AND TITLE OF CONTACT: Officer in Charge

NAME OF PARENT ORGANIZATION: Armed Forces Pest Control Board, Walter Reed Army Institute of Research, Department of the Army

SPONSOR: Department of the Army

YEAR STARTED: 1962

MISSION: To operate an information center concerning military entomology for the Department of Defense.

MAJOR SUBJECT FIELDS COVERED: Military medical and engineering entomology; prevention and/or control of medically important vectors, disease reservoirs, etc.; prevention of damage to property and material by insects, rodents, etc.; elimination of pests on military aircraft, ships, and other vehicles.

HOLDINGS: Over 84,000 documents.

PRODUCTS AND SERVICES: Publishes annotated bibliographies of recent accessions, reviews, and evaluations; performs the following inquiry services: searches of holdings, prior art searches, direct retrieval of factual information, state-of-the-art reviews, and referral.

STAFF: 4 professional entomologists, 6 technicians.

QUALIFIED USERS: Federal agencies, individuals, nonprofit institutions, or organizations on the Defense Documentation Center Dissemination Authorization or approved by the Armed Forces Pest Control Board.

Entry 44

NAME: National Agricultural Library

ADDRESS: U. S. Department of Agriculture, Beltsville, Maryland 20705

TELEPHONE NUMBER: Area 301, 345-6202, Extension 235

NAME AND TITLE OF CONTACT: Mrs. Leila P. Morane, Information Officer, Program Coordination Services

NAME OF PARENT ORGANIZATION: U. S. Department of Agriculture

SPONSOR: U. S. Department of Agriculture

YEAR STARTED: 1862

MISSION: To acquire and diffuse among the people of the United States useful information on subjects connected with agriculture in the most general and comprehensive sense of the word.

MAJOR SUBJECT FIELDS COVERED: General agriculture, agricultural economics, rural sociology, agricultural products, animal industry, engineering, entomology, food and human nutrition, forestry pesticides, plant science, soils and fertilizers, botany, veterinary medicine, biology, and water resources.

HOLDINGS: 1.3 million volumes on agriculture and supporting sciences.

PRODUCTS AND SERVICES: Published the National Agricultural Library Catalog from 1966 through 1969 and the Pesticides Documentation Bulletin (under the Pesticides Information Center); now operates a magnetic tape service called Cataloging and Indexing System (CAIN) which includes the former Bibliography of Agriculture, the National Agricultural Library Catalog, and the Pesticides Documentation Bulletin, and the American Bibliography of Agricultural Economics, which is published by the American Agricultural Economics Association; also provides interlibrary loan, photoduplication, and maintains a teletypewriter with answer-back code for out-of-town patrons.

STAFF: Approximately 50 professionals and 148 nonprofessionals.

QUALIFIED USERS: Services are available to the public with fees charged for photoduplication and tape service.

Entry 45

NAME: National Library of Medicine (NLM)

ADDRESS: 8600 Rockville Pike, Bethesda, Maryland 20014

TELEPHONE NUMBER: Area 301, 496-1030

NAME AND TITLE OF CONTACT: Dr. Martin M. Cummings, Director

NAME OF PARENT ORGANIZATION: National Institutes of Health

SPONSOR: Department of Health, Education, and Welfare

YEAR STARTED: 1836 (renamed NLM in 1956)

MISSION: NLM has a congressional mandate to apply its resources broadly to the advancement of medical and health-related sciences. It collects, organizes, and makes available biomedical information and carries out programs designed to strengthen existing and develop new medical library services in the U. S.

MAJOR SUBJECT FIELDS COVERED: Biomedicine.

HOLDINGS: The NLM collection comprises nearly 1,300,000 biomedical books, theses, journals, pamphlets, prints, microfilms, and audiovisual materials.

PRODUCTS AND SERVICES: The Library operates a computer-based system called MEDLARS (Medical Literature Analysis and Retrieval System). Publications include Index Medicus, Medical Subject Headings (MeSH), lists of journals indexed in Index Medicus, Monthly Bibliography of Medical Reviews, National Medical Audiovisual Center Catalog, Film Reference Guide for Medicine and Allied Sciences, NLM Current Catalog, Toxicity Bibliography, Russian Drug Index, and others. In addition to the aforementioned publications, NLM also provides recurring bibliographies on specialized subjects of wide interest, and retrospective one-time bibliographies which are prepared in response to requests from individuals and organizations.

STAFF: 8 managing and administering; 20 indexing; 2 coding; 7 programming; 4 searching; 3 keypunching; 8 editing; 22 Flexowriter and computer operations.

QUALIFIED USERS: Services are primarily provided for researchers, clinicians, and other health professionals.

Entry 46

NAME: National Referral Center for Science and Technology

ADDRESS: 2nd and Independence Avenue, S. E., Washington, D. C. 20540

TELEPHONE NUMBER: Area 202, 967-8265

NAME AND TITLE OF CONTACT: John F. Stearns, Director

NAME OF PARENT ORGANIZATION: Science and Technology Division, Library of Congress, U. S. Congress

SPONSOR: Office of Science Information Service, NSF

MISSION: To direct scientists and other researchers to information resources appropriate to specific needs, and to prepare directories listing information sources available in selected scientific or technical fields.

MAJOR SUBJECT FIELDS COVERED: All science and technology, including the physical, biological, social, and engineering sciences.

HOLDINGS: Has access to the extensive holdings of the Library of Congress.

PRODUCTS AND SERVICES: Prepares directories listing information resources available in selected scientific or technical fields; directs scientists and researchers to information resources appropriate to specific needs in all areas of science and technology including social sciences; the Center does not answer questions directly, nor does it furnish bibliographic assistance.

STAFF: Total number of staff assigned--34.

QUALIFIED USERS: No limitations on availability.

Entry 47

NAME: Nuclear Safety Information Center

ADDRESS: Oak Ridge National Laboratory, P. O. Box Y, Oak Ridge, Tennessee 37830

TELEPHONE NUMBER: Area 615, 483-8611, Extension 3-7253

NAME AND TITLE OF CONTACT: William B. Cottrell, Director

NAME OF PARENT ORGANIZATION: Union Carbide Corporation

SPONSOR: U. S. Atomic Energy Commission

YEAR STARTED: 1963

MISSION: To acquire, analyze, store, and retrieve
safety.

MAJOR SUBJECT FIELDS COVERED: All aspects
criteria, analysis, and operating systems; accident
monitoring and radiation exposure of man; siting an
transporting and handling of radioactive materials;
stability; thermal modifications to environment; and

HOLDINGS: 44,000 accessioned documents.

PRODUCTS AND SERVICES: Publishes the journal
services, publishes staff studies, makes the Center
responds to specific questions on nuclear safety.

STAFF: 4 full-time professionals, 22 professional
15 man-years professional effort.

QUALIFIED USERS: The Center's services are ava
Agencies, research and educational institutions, and

Entry 48

NAME: Pesticides Information Center

In late 1969 or early 1970, the Pesticides Info
its functions absorbed by the Reader Services Divis
Division of the National Agricultural Library. For
on the National Agricultural Library.

Entry 49

NAME: Science Information Exchange

ADDRESS: 1730 "N" Street, N. W., Washington, D. C. 20036

TELEPHONE NUMBER: Area 202, 381-5511

NAME AND TITLE OF CONTACT: Dr. Monroe Freeman, Director

NAME OF PARENT ORGANIZATION: U. S. Smithsonian Institution

SPONSOR: National Science Foundation

YEAR STARTED: Founded 1950

MISSION: Development and maintenance of an up-to-date comprehensive file of descriptive information and data concerning all types of unclassified scientific research projects currently being supported by Government Agencies and, to the extent practicable, projects of non-Government organizations for the primary purpose of providing program administrators with information that can be used to avoid duplication of research effort and to determine the advantageous distribution of research funds.

MAJOR SUBJECT FIELDS COVERED: All life and physical sciences: animal sciences, behavioral sciences, medical sciences, microbiology, plant sciences, chemistry, earth sciences, electronics, engineering, materials, mathematics, and physics.

HOLDINGS: SIE currently registers 100,000 one-page records of research each year. These are synoptic records of current research projects, which include names of supporting agencies, names of principal and associate investigators, location of work, level of effort, dates of active work, and a 200-word description of research in progress. 500,000 records of research projects, in the form of documents, microfilm, and computer tape.

PRODUCTS AND SERVICES: Water Resources Research Catalog, Water Recources Thesaurus, and Outdoor Recreation Research (prepared for the Department of the Interior); Abstracts of Research and Demonstration Projects and Social Welfare and Related Fields (for U. S. Department of Health, Education, and Welfare), and other compilations of research records in such fields as urban research, environmental sciences, pesticides, and oceanography; the Exchange also provides responses to individual requests and selective dissemination of research notices based on a profile of the requester's interest.

STAFF: 65 professionals and 99 nonprofessionals.

QUALIFIED USERS: The services are aimed primarily toward recognized granting agencies, research institutions, and investigators associated with recognized research organizations.

Entry 50

NAME: Science and Technology Division, Library of Congress

ADDRESS: 2nd and Independence Avenue, S. E., Washington, D. C. 20540

TELEPHONE NUMBER: Area 202, 967-8577

NAME AND TITLE OF CONTACT: Marvin W. McFarland, Chief

NAME OF PARENT ORGANIZATION: Library of Congress, U. S. Congress

SPONSOR: Library of Congress

YEAR STARTED: 1949

MISSION: Administers and coordinates all reference activities relating to science and technology, with the exception of clinical medicine and technical agriculture. Operates the National Referral Center for Science and Technology.

MAJOR SUBJECT FIELDS COVERED: All areas of science and technology except clinical medicine and technical agriculture including exobiology, sensory and neurophysiology, physiological and psychological effects of environmental factors and stresses, psychology, psychiatry, personnel, medical aspects, pharmacology, toxicology, safety, survival, rescue, man-machine integration, and life-support systems.

HOLDINGS: Approximately 1.5 million items.

PRODUCTS AND SERVICES: Publishes abstracts from the current open literature, Aerospace Medicine, abstracts from the retrospective literature, Aerospace Medicine and Biology: An Annotated Bibliography; provides reference and other information services without charge, including brief answers to technical inquiries, brief literature searches, short lists of literature citations in response to specific inquiries, and consulting and advisory services; also offers a comprehensive literature-searching service; photocopying is also available for a fee.

(For other available services, see also National Referral Center for Science and Technology.)

STAFF: 32 professionals, 32 nonprofessionals.

QUALIFIED USERS: There is no limitation on availability.

Entry 51

NAME: Water Quality Data Storage and Retrieval System (STORET)

ADDRESS: Pollution Surveillance, FWPCA, Department of the Interior, Washington, D. C. 20242

TELEPHONE NUMBER: Area 703, 557-7636

NAME AND TITLE OF CONTACT: Phillip L. Taylor, Acting Chief, Pollution Surveillance Branch; Jesse L. Lewis, Chief, Data and Information Services Section

NAME OF PARENT ORGANIZATION: Federal Water Pollution Control Administration (FWPCA), Department of the Interior

SPONSOR: Department of the Interior

YEAR STARTED: 1964

MISSION: To store and retrieve facilities data and water-quality data collected by FWPCA, for continuous comparison with water-quality standards.

MAJOR SUBJECT FIELDS COVERED: Water quality and facilities for determining water quality.

HOLDINGS: 27,000 values of water-quality data, 13,000 entries on municipal waste treatment, 50,000 entries on state plans for implementing waste treatment, and additional data on fish kill.

PRODUCTS AND SERVICES: Has published compilations of Water Quality Data annually for the years 1957 through 1958, and 1962 through 1963, Sewage and Water Works Construction annually since 1957, Water and Sewer Bond Sales annually since 1957, and Municipal Waste Disposal Facilities Inventory, at 5-year intervals since 1957. Other publications and reprints relating to water-quality statistics, laboratory techniques, and instrumentation are issued at various occasions.

Maintains and operates a data storage and retrieval system (STORET) using electronic computers capable of receiving any water-quality parameter from any source, recalling such data in hydrologic sequence, and performing extensive statistical operations on these data. Also performs specialized chemical analyses for other Federal Government Agencies; provides analytical reference services and laboratory quality controls for other water laboratories; provides guidance and conducts seminars and refresher courses on laboratory techniques, instrumentation, and data storage and retrieval.

STAFF: 12 professionals, 12 nonprofessionals.

QUALIFIED USERS: Government Agencies only.

Entry 52

NAME: Water Resources Scientific Information Center

ADDRESS: Department of the Interior, Washington, D. C. 20240

TELEPHONE: Area 202, 343-8435

NAME AND TITLE OF CONTACT: Ray Jensen, Manager

NAME OF PARENT ORGANIZATION: Office of Water Resources Research, Department of the Interior.

SPONSOR: Department of the Interior

YEAR STARTED: 1966

MISSION: Designated by the Federal Council for Science and Technology to serve the water resources community by improving the communications of water-related research results.

MAJOR SUBJECT FIELDS COVERED: Water-related aspects of the life, physical, and social sciences as well as related engineering and legal aspects of the characteristics, conservation, control, use, or management of water.

HOLDINGS: Depends on various "Centers of Competence" throughout the U. S. to provide input to published products and to provide resources for response.

PRODUCTS AND SERVICES: Publishes an annual report containing information on OWRR activities, the Water Resources Research Catalog which contains summaries of over 4,000 on-going water-resources research projects being carried out throughout the 50 states, the District of Columbia, Canal Zone, Puerto Rico, and 11 foreign countries, and a selected Water Resources Abstracts, which includes abstracts of current and earlier pertinent monographs, journal articles, reports, and other publication formats. In addition to its publications, OWRR is undertaking a program for selective dissemination of information among Federal Agencies and state and water-resources research institutes.

STAFF: 4 professionals, 3 clerk/secretaries.

QUALIFIED USERS: Services are available to the public.

APPENDIX A

MONITORING AND SURVEILLANCE ACTIVITIES WITHIN ENVIRONMENTAL HEALTH SERVICE

APPENDIX A

MONITORING AND SURVEILLANCE ACTIVITIES WITHIN ENVIRONMENTAL HEALTH SERVICE

A-1

ABATEMENT MONITORING PROJECTS

Division of Abatement, Bureau of Abatement and Control, NAPCA

Studies of one or more years' duration are periodically carried out in various metropolitan areas. The objective is to obtain in-depth air-quality data of a type required in interstate abatement conferences. Such studies have been completed, or are presently under way, in the following areas: Ironton, Ohio – Ashland, Kentucky – Huntington, West Virginia; Steubenville, Ohio – Weirton, West Virginia – Wheeling, West Virginia; Kansas City, Kansas and Missouri; Port Huron – Detroit, Michigan; New York City – New Jersey; Philadelphia, Pennsylvania – Camden, New Jersey – Wilmington, Delaware; Chicago, Illinois – Gary, Indiana; Parkersburg, West Virginia – Marietta, Ohio; Chattanooga, Tennessee – Rossville, Georgia; St. Louis, Missouri – East St. Louis, Illinois; Clarktown, Washington – Lewiston, Idaho; Shelbyville, Delaware – Bishop, Maryland; Shoreham, Vermont – Ticonderoga, New York; and Washington, D. C.

A-2

AIR SHED EMISSIONS SURVEYS

Division of Air Quality and Emissions Data, Bureau of Criteria and Standards, NAPCA

Obtains data and maintains a national inventory of major air-pollutant emissions on a metropolitan area basis, and disseminates this data and information through incorporation of results in the National Emissions Data Bank and through publication of routine and special reports.

A-3

ALASKAN SURVEILLANCE – CARIBOU AND REINDEER SAMPLING NETWORK

Division of Environmental Radiation, Bureau of Radiological Health

An environmental monitoring program for the cesium-137 levels in Alaskan caribou and reindeer was initiated in December, 1963. This was done to provide data for the assessment of cesium-137. Samples from 3 caribou and 3 reindeer herds are now being collected in the spring and fall of each year. Twice a year muscle samples are taken from 30 animals and 6 rumen composites of 5 animals in each of 6 herds are collected. Hock bones from 5 animals in 1 herd are collected at the fall collection only. Muscle samples are analyzed for gamma emitters, strontium-89, strontium-90, and calcium. Rumen samples are only scanned for gamma emitters. The bone samples

calcium. The muscle data are of prime interest since muscle is an important constituent of the diet for many Alaskan residents. Data are published quarterly in Radiological Health Data and Reports.

A-4

ALASKAN SURVEILLANCE – HUMAN MEASUREMENT

Division of Environmental Radiation, Bureau of Radiological Health

A whole-body counting study was initiated in April, 1965, to provide data for estimating the extent and magnitude of cesium-137 body burdens throughout Alaska. The project has been done once a year. In 1967, 1334 subjects were counted during April and May. In 1968 over 1000 subjects were counted during April. A yearly report is published in Radiological Health Data and Reports.

A-5

ATMOSPHERIC TURBIDITY MONITORING

Division of Meteorology, Bureau of Engineering and Physical Sciences, NAPCA

The relative dust and aerosol loading of the atmosphere above urban and rural areas has been monitored at 40 stations in the United States and in India, Israel, Hawaii, Brazil, Barbados, and Panama for the past 7 years. Secular trends are documented.

A-6

BOVINE THYROID NETWORK

Division of Environmental Radiation, Bureau of Radiological Health

This network attempts to detect low concentrations of iodine-131 in the environment. This network supplements the Pasteurized Milk Network and helps to delineate areas of iodine-131 contamination in order that additional milk samples may be obtained to delineate the contamination of the environment. Bovine thyroid samples are obtained by 20 meat inspectors in 20 states. The collection areas (slaughter houses) are located, whenever possible, near major nuclear facilities. Approximately 400 samples per month are analyzed. Data are published quarterly in Radiological Health Data and Reports.

A-7

CATEGORICAL POLLUTION EMISSIONS SURVEYS

Division of Air Quality and Emissions Data, Bureau of Criteria and Standards, NAPCA

Updates and provides a nationwide inventory of SO_x and total hydrocarbons.

A-8

COAST GUARD WATER SUPPLY SAMPLING PROJECT

Division of Environmental Radiation, Bureau of Radiological Health

Maintains radiological surveillance of water supplies at Coast Guard LORAN radar stations. Monthly samples are taken at seven stations (Adak, Attu Island, Biorka Island, Cape Sharichef, Port Clarence, Sitkinak Island, and Spruce Island). Gross alpha, gross beta, and selected specific radionuclides are analyzed if gross levels are sufficiently high. Data are published annually in Radiological Health Data and Reports.

A-9

COMMUNITY WATER SUPPLY STUDY

Division of Technical Operations, Bureau of Water Hygiene

A comprehensive community water supply study to evaluate health hazards with respect to raw water, purification facilities, distribution systems, adequacy of health protection surveillance, and control being provided, and to ascertain the microbiological, physical, chemical, and radiochemical quality of the finished drinking water being served to the consumers.

The data are analyzed to examine possible correlations between drinking-water quality, illness and death; to propose how the supplies can be upgraded to insure that every glass of drinking water from America's public water-supply system will meet proper health standards, and to determine the investments, methodological changes, and research needed to correct deficiencies noted in drinking-water quality.

A-10

CONTINUOUS AIR MONITORING PROJECT

Division of Air Quality and Emission Data, Bureau of Criteria and Standards, NAPCA

Study is designed to conduct broad continuing surveillance of the Nation's urban air quality and to provide the nucleus of an episode and/or emergency surveillance network. Stations are located in Chicago, Cincinnati, Denver, Philadelphia, St. Louis, and Washington, D. C. Continuous measurements are made of CO, NO, NO_2, total hydrocarbons, methane, total oxidants, and SO_2.

Station locations and analyses are selected by criteria (sources, meteorology, topography) which maximize utility of resultant data. Data provide information for the study of short-term temporal variation of pollutants, pollution effects, and interrelationships as the basis for establishing air-quality criteria.

A-11

HUMAN BONE NETWORK

Division of Environmental Radiation, Bureau of Radiological Health

This network provides data for studies relating environmental strontium-90 levels and intake to bone-tissue body burden. There are 187 collectors in 39 states. Samples

are radiochemically analyzed for strontium-89, strontium-90; and are obtained mainly from cadavers and from living persons as a result of surgery. Each month 35-40 samples are collected. Collection efforts are concentrated in 6 areas representing a broad range of environmental strontium-90 levels. Areas include metropolitan centers at Boston, Cincinnati, New Orleans, Los Angeles, and Seattle. Analyses are made for strontium-90, calcium and radium-226. Data are published in Radiological Health Data and Reports.

A-12

INSTITUTIONAL TOTAL DIET SAMPLING NETWORK

Division of Environmental Radiation, Bureau of Radiological Health

Institutional Total Diet Sampling Network attempts to provide continuing measurement of radionuclides in the total diet of a selected population group in order to show concentrations and trends. The Network also provides information on radionuclide intake by a population group for correlative studies of intake with body burden through whole-body counting and/or analyses of body secretions. At present there are 29 stations distributed in 27 different states. Food samples collected monthly represent the edible portion of meals plus snacks for a 7-day period. These are based on sampling comparable meals of randomly selected individuals within specified age groups. Drinking water is also collected annually. Analyses are performed for the following isotopes: iodine-131, cesium-137, barium-140, strontium-90, and radium-226. Results are published in Radiological Health Data and Reports.

A-13

INTERSTATE CARRIER WATERING POINTS

Division of Technical Operations, Bureau of Water Hygiene

Under the provisions of the interstate and foreign quaratine regulations, the Bureau of Water Hygiene conducts regular joint state-PHS sanitary engineering inspections and evaluations of approximately 714 public water-supply systems. The purpose of the surveys are to make evaluations of the source, treatment process, storage, distribution system, and laboratory services of the individual water-supply systems.

A report of Inventory of Interstate Water Supplies is published quarterly. Data from these evaluations provide the resources for the certification of these supplies utilizing the laboratory facilities of the Division of Criteria and Standards.

A-14

MAJOR INDUSTRY AND PROCESS EMISSION SURVEYS

Division of Air Quality and Emissions Data, Bureau of Criteria and Standards, NAPCA

Provides current information and data on type, nature, and magnitude of emissions and the extent and type of control equipment in use. Develops technical documents outlining guides to present practice and provides NAPCA with information on the national significance of the source category considered. Develops emission factors derived from source testing and other gathered information for application in general emission inventories.

A-15

NATIONAL INJURY SURVEILLANCE AND EPIDEMIOLOGY SYSTEM

Division of Injury Control, Bureau of Occupational Safety and Health

A nationwide epidemiological and surveillance system being established by the Injury Control Program to keep watch on a wide range of types (such as accidental falls and accidental burns analysis) of injury. Existing teams in Boston and Denver staffed by the Food and Drug Administration, together with the Medical Community Hospital Emergency and Admissions Department are working with law-enforcement agencies and public-health officials. These nationwide teams will conduct in-depth investigations into the causes of injuries based on the study of (1) information from hospitals and medical records (including death certificates), from individuals, their physicians, and other persons, and (2) data on the environmental events and conditions leading to accidental and other injury. The investigators complete detailed standard record forms for injuries caused by burns and falls.

A-16

NATIONAL MOTOR VEHICLE EMISSIONS SURVEILLANCE PROGRAM

Division of Motor Vehicle Pollution, Bureau of Abatement and Control, NAPCA

The Project will be organized encompassing those geographic areas of the Continental United States which will take into account variations in climatic and altitude variables. Vehicle emissions from each of these geographic areas will be evaluated using both in-house and contractual studies covering emission tests on preselected classes of consumer-owned vehicles.

A-17

NATIONAL OCCUPATIONAL HEALTH MONITORING SYSTEM

Division of Occupational Injury and Disease Control, Bureau of Occupational Safety and Health

Industrial hygiene surveys of selected industries are being planned to develop guidelines and standards whereby industrial groups will be surveyed to ascertain the kinds of environmental health problems associated with these industries. Other types of informational resources for developing a national profile of occupational disease problems are being utilized or being developed.

A-18

NATIONAL SURVEY OF COMMUNITY SOLID WASTE PRACTICES

Division of Technical Operations, Bureau of Solid Waste Management

The Solid Waste Disposal Act, of 1965, provides for grants to state and interstate agencies for conducting surveys of solid-waste practices and for developing solid-waste disposal plans. These surveys provide a uniform source of data necessary for meaningful overall national evaluations and valid interregional comparisons as well as providing the basis for the formulation and development of future national solid-waste legislation.

The information is collected by the participating state/interstate agencies and forwarded to the Bureau of Solid Waste Management for processing. Reports and analytical summaries are used to develop comprehensive plans for solid-waste disposal coordinated with the state air-pollution and water-control plans. In addition, these data are utilized by personnel from the Bureau of Solid Waste Management to provide the technical expertise necessary for the solution of the solid-waste problem.

A-19

NUCLEAR FACILITY ENVIRONMENTAL ANALYSIS SYSTEM

Division of Environmental Radiation, Bureau of Radiological Health

The BRH has the responsibility for maintaining files of data from surveillance networks surrounding nuclear reactor sites. From each operating reactor 1,200 samples a year are anticipated. An increase of 25 to 30 reactor installations per year is expected through 1980.

A-20

PAN AMERICAN HEALTH ORGANIZATION COOPERATIVE SURVEILLANCE PROJECT

Division of Environmental Radiation, Bureau of Radiological Health

The Pan American Health Organization in collaboration with the U. S. Public Health Service assists health agencies in the American Republics with national radiological health problems, by collecting air samples in 9 countries on a monthly basis. Milk samples are also collected in 5 countries (Chile, Colombia, Equador, Jamaica, and Venezuela) on a monthly or weekly basis. Analyses are performed for iodine-131, cesium-137, barium-140, potassium, strontium-89, strontium-90, and calcium. These data are published monthly in Radiological Health Data and Reports.

A-21

PASTEURIZED MILK NETWORK

Division of Environmental Radiation, Bureau of Radiological Health

Designed to provide nationwide surveillance of radionuclide concentration in milk through sampling from major milk-production and consumption areas. The present network of 63 stations provides data on milk in every state, the Canal Zone, and Puerto Rico. Samples represent milk consumed by about 60 million persons. The sample from each station is a composite of subsamples from each milk-processing plant serving a station city in proportion to each plant's average sales in the community served. At most stations, the composite sample represents at least 80 percent of the milk processed. Samples are taken weekly on a routine basis. If levels of radioactivity are high, an increased frequency of sampling is initiated by BRH. Results are published monthly in Radiological Health Data and Reports.

A-22

POLLUTANT AND EFFECTS NETWORKS

Division of Air Quality and Emissions Data, Bure

The networks conduct broad, continuing su
both urban and nonurban locations, to supply suff
present status, trends, background levels, effect

Approximately 200 sites throughout the Nat
particulate pollutants.* At 100 of the above sites
Sulfation rate (sulfur oxides) is measured for exp
maining sites. The Federally operated network
1,000 stations sampling concurrently for particul
to help provide a more reasonable definition of u
estimated that the total National need is for 8,00
1,000 to 2,000 will be Federally operated. Suppl
networks will contribute to better understanding
munities. New techniques (membrane filters, re
sently being used on a pilot scale will be applied
few years.

An interstate "effects" project investigates
pollution at 240 sites distributed among approxim
use of static sampling devices.*** Screening is
pollution.

The particulate samples collected biweekly on glass-fiber filters over
weight, ammonium, fluorides, nitrates, sulfates, antimony, arsenic,
iron, lead, manganese, molybdenum, nickel, tin, titanium, vanadi
benzo-a-pyrene.

**Samples are collected biweekly over 24-hour periods and analyzed fo

*** Measurements are made of dust fall, sulfation rate, directional partic
cracking, nylon deterioration, and fading of dyed fabrics.

A-23

POLLUTION SOURCE INVENTORY

Division of Abatement, Bureau of Abatement and

Establish and maintain constant intelligence
Federal Facilities, and prepare a pollution-sourc

A-24

RADIATION ALERT NETWORK (Formerly Radiation Surveillance Network of the National Center for Radiological Health)

Division of Air Quality and Emission Data, Bureau of Criteria and Standards, NAPCA

This network alerts the National Air Pollution Control Administration and other Federal, state, and local health agencies to significant increases in atmospheric concentrations and depositions of radioactive materials, important to population-exposure surveillance and control.

The Network's operation is accomplished in large measure through the assistance and cooperation of state and territorial health agencies which provide for staffing and operation of most network stations. There are 73 stations located throughout the United States and its territories. Continuous 24-hour samples of airborne particulates are collected daily for 5 or 7 days per week at each station. The station operator calculates the gross beta radioactivity concentration (pci/m^3) in air and the gross beta radioactivity deposition (nci/m^2) in precipitation and reports the results to the National Air Pollution Control Administration by mail. If these field estimates exceed predetermined alerting levels, the operator immediately telephones the National Air Pollution Control Administration. Calls can be received on a 24-hour basis. National Air Pollution Control Administration officials and those of other agencies are notified of unusual results. The National Air Pollution Control Administration collects and evaluates the data and prepares routine monthly reports, or special reports on a more frequent basis if required. These data are published monthly in Radiological Health Data and Reports.

A-25

REGIONAL AND ABATEMENT AREA SURVEILLANCE PROJECT

Division of Abatement, Bureau of Abatement and Control, NAPCA

Operates 255 static monitoring devices to determine severity of air-pollution problems in interstate areas designated as Air Quality Control Regions.

A-26

SOURCE SURVEY OF SPECIFIC AIR POLLUTANTS

Division of Air Quality and Emissions Data, Bureau of Criteria and Standards, NAPCA

Delineates emissions from selected sources, both with and without air-pollution control devices. Provides basic data for industry studies and for the establishment of average emission factors.

A-27

STORAGE AND RETRIEVAL OF INDUSTRIAL SOLID WASTE DATA

Division of Technical Operations, Bureau of Solid Waste Management

The problems of solid-waste management do not arise from the practices of communities alone. Industry provides another of the many sources of these problems. Many states, in addition to the collection of data regarding the solid-waste practices of the communities, are also surveying the industrial solid-waste practices within their states. These data are used along with the data from the National Survey of Community Solid Waste Practices in the development of comprehensive state plans for the handling of solid wastes.

The data would also be used by the Bureau of Solid Waste Management to better understand the role of industrial solid waste in the comprehensive problems of solid-waste management.

A-28

SURVEILLANCE OF DRINKING WATER QUALITY

Division of Technical Operations, Bureau of Water Hygiene

The United States Public Health Service monitors and approves the water supplies used by interstate carriers in accordance with the PHS Drinking Water Standards specific in the interstate quarantine regulations. The Environmental Control Administration samples drinking water at approximately 760 stations, at 140 municipalities throughout the country. Form PHS 682 is used to report the type of treatment and the chemical, physical, radiochemical, and bacteriological quality of the finished drinking water by the state. If the schedule is met, there is a joint sanitary survey of the water supply every 3 years by the PHS and state personnel. The analyses are designed to determine when specific concentration limits for the following chemicals are exceeded: alkyl benzene sulfonate, arsenic, chlorine, copper, carbon chloroform, cyanide, fluoride ion, manganese nitrate, phenols, sulfate zinc, barium, cadmium, chromium cyanide, lead, selenium, silver. A radioanalysis is also performed on these water samples. The water is analyzed for gross alpha and beta radiation and if there are unusually high levels of radioactivity a specific radionuclide analysis is performed. Analyses are performed in PHS laboratories and reported on Form PHS 4899. Surveillance activities are also carried out for new products (including tank liners, coatings and paints, and composition of water pipes) used in storage, treatment, and distribution of water.

A-29

TRITIUM IN SURFACE WATER

Division of Environmental Radiation, Bureau of Radiological Health

This surveillance is conducted at selected surface-water stations downstream from potential sources of tritium release. Eight stations are located downstream from nuclear facilities. Two other stations serve to establish baseline levels. Composite samples are collected through the Basic Data Branch, Federal Water Pollution

Control Administration, Department of the Interior. Data are published semiannually in Radiological Health Data and Reports.

A-30

WATER HYGIENE ANALYSIS SYSTEM

Division of Technical Operations, Bureau of Water Hygiene

A system to improve analytical and measurement methods for the identification of biological pollutants in drinking and recreational waters is currently being used. Statistical analyses are performed on the chemical, radiological, bacteriological, and pesticide data to determine the quality of these waters and to see if the municipal drinking water complies with the existing U. S. Public Health Service Drinking Water Standards. The names of all known water supplies are also stored on magnetic tape for distribution of treatment and source of drinking-water information.

APPENDIX B

SUBJECT INDEX

INFORMATION FACILITIES INDEX

PARENT AND/OR SPONSORING ORGANIZATION INDEX

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APPENDIX B

SUBJECT INDEX

A

Abatement, 6, 23, A-1
Accidental injury, A-15
Accidents, 13, 14, 18, 47, A-15
Aerosol, A-5
Aging, 31
Agricultural economics, 30, 44
Agriculture, 30, 32, 44
Agronomy, 30
Air conservation, 10, 19, 25
Air-pollutant emissions, A-2
Air pollution, 1, 5, 6, 7, 8, 19, 23, 24, 29, 31, 33, A-22, A-23, A-24, A-25
Air-pollution control, 1, 2, 3, 6, 23, 29
Air-pollution control devices, A-26
Air quality, 2, 7, 10, 19, A-10, A-14, A-22
Air-quality control regions, A-25
Air-quality data, A-1
Air sampling, 29
Air shed emissions, A-2
Aircraft pollution, 7
Aldehydes, A-22
Alkyl benzene sulfonate, A-28
Ammonia, A-22
Analytical methods, 10, 11, 19, 24, 26, 29, 42
Animal industry, 44
Animal science, 49
Antimony, A-22
Arsenic, A-22, A-28
Atmospheric science, 32
Automotive pollution, 9

B

Barium, A-28
Barium-140, A-12, A-20
Batteries, 9
Behavioral science, 30, 49
Benzo-a-pyrene, A-22
Beryllium, A-22
Biochemical assays, 24
Biological effects, 2, 4, 15
Biological pollutant, A-30
Biological science, 32, 46
Biology, 30, 36, 44, 52
Biomedicine, 45
Bismuth, A-22
Body burdens, 40, A-4, A-11
Bone tissue, A-11
Botany, 44, 49
Burns, A-15

C

Cadmium, A-22, A-28
Calcium, A-3, A-11, A-20
Carbon chloroform, A-28
Carbon monoxide, A-10
Cesium-137, 18, A-3, A-4, A-12, A-20
Chemical effects, 2
Chemistry, 36
Chloride, A-28
Chromium, A-22
Chromium cyanide, A-28
Clinical medicine, 27, 30
Combustion products, 7
Communicable disease control, 31
Contamination/decontamination, 16
Copper, A-22, A-28
Cosmetics, 42
Cyanide, A-28

D

Dental X-ray procedures, 22
Diet sampling, A-12
Dosimetry, 22
Drinking water, A-9, A-28, A-30
Drugs, 26, 36, 42
Dust, A-5
Dust fall, A-22

E

Earth science, 32, 49
Economics, 27
Ecology, 31, 33
Electronic products, 4, 12, 14, 22, 30
Engineering, 46
Entomology, 43, 44
Environmental biology, 30
Environmental health, 2, 3, 4, 11, 16, 17, 21, 31, 33, 38, 50
Environmental science, 49
Environmental surveys, 47
Epidemiology, A-15
Ergonomics, 24
Exobiology, 50

F

Fading of dyed fabrics, A-22
Falls, A-15
Federal facilities, A-23
Fertilizers, 44
Fish kill, 51
Fluorides, A-22, A-28
Food, 26, 30, 36, 42, 44
Food additives, 26, 42
Food samples, A-12
Forestry, 30
Fuel additives, 8
Fuel cells, 9
Fuel waste, 7

G

Gamma emitters, A-3
Gaseous pollutants, 10, 19, A-22

H

Hazardous substances, 34, 42
Horticulture, 30
Household products, 34, 35
Housing, 11, 33, 37
Human ecology, 31
Hydrocarbons, A-7, A-10
Hygienic guides, 24

I

Industrial health, 24
Industrial hygiene, 39, A-17
Industrial materials, 21
Industrial medicine, 39
Industrial processes, 7
Industrial solid waste, A-27
Industry emission, A-14
Industry studies, A-26
Injuries, A-15
Injury control, A-15
Internal dose, 40
Iodine-131, 18, A-12, A-16, A-20
Iron, A-22

L

Lasers, 12, 30
Law and enforcement, 1, 5, 6, 17, 28, 29, 33, 41, 52
Lead, A-22, A-28
Legal information, 1, 5, 28, 29, 33, 41
Life support systems, 50

M

Manganese, A-22
Manganese nitrate, A-28
Man-machine integration, 50
Medical entomology, 43
Medical radiation exposure, 16
Medical science, 32, 45, 49, 50
Medical socio-economics, 27
Medical treatment, 31
Medical X-ray procedures, 22
Metabolism, 40
Metal corrosion, A-22
Meteorology, 2, 3, 29
Methane, A-10
Microbiology, 26, 30, 42, 49
Microwave, 12
Milk, A-21
Molybdenum, A-22
Motor-vehicle emissions, A-16

N

Neurophysiology, 50
Nickel, A-22
Nitrates, A-22
Nitrogen oxides, A-10, A-22
Noise, 24
Nuclear accidents, 18
Nuclear facilities, A-29
Nuclear medicine, 4, 16
Nuclear power, 41
Nuclear reactor, A-19
Nuclear safety, 41, 47
Nutrition, 44
Nylon deterioration, A-22

O

Occupational health, 12, 21, 38, 39, A-17
Occupational medicine, 25, 30
Occupational safety, 21
Oceanography, 30, 32, 49
Organic matter, A-22
Oxidants, A-10, A-22

P

Paints, A-28
Particulates, 10, 19, A-22, A-24

Personnel, 50
Pest control, 43
Pesticides, 26, 42, 43, 44, 49, A-30
Pharmacology, 30, 36, 50
Phenols, A-28
Physical effects, 2
Physical sciences, 46, 52
Physiology, 30
Plant science, 44
Plutonium-239, 18
Poisons, 35
Pollution control, 24
Pollution-control equipment, 23
Potassium, A-20
Process emission, A-14
Psychiatry, 50
Psychology, 30, 50
Public health, 4, 6, 11, 16, 17, 26, 27, 28, 30, 31, 34, 35, 36, 42, 45
Public programs, 23
Public safety, 6, 11, 26, 34, 35, 36, 42

R

Radar, 12, 30
Radiation, 4, 12, 13, 14, 16, 17, 18, 22, 24, 30, 31, 40, 41, 47, A-28
Radiation accidents, 14, 18, 47
Radiation exposure, 40
Radiation hazards, 4
Radiation protection, 16, 22, 30
Radiation sources, 41
Radioactive materials, 16, A-24
Radioactive materials transporting, 47
Radioactivity, A-21, A-24
Radioanalysis, A-28
Radiobiology, 15, 16, 30
Radioisotope incidents, 13
Radiological health, 4, A-20
Radiology, 4
Radionuclides, 40, 47, A-8, A-12, A-21, A-28
Radiotoxicology, 18
Radium, 16
Radium-226, 18, A-11, A-12
Radium accidents, 13
Reactor installations, A-19
Reactor siting, 47
Reactor technology, 41
Recreational waters, A-30
Refuse collection, 20
Rescue, 50
Research, 5, 23, 38
Respiratory protective equipment, 24
Rubber cracking, A-22
Rural sociology, 44

S

Safety, 6, 11, 12, 21, 22, 26, 31, 34, 35, 36, 41, 42, 47, 50
Sanitation, 26, 30, 33, 42
Selenium, A-28
Silver, A-28
Sulfur oxides, A-7, A-10, A-22
Social sciences, 46, 52
Sociology, 30
Soil pollution, 20, 31, 44
Solid wastes, 20, A-18, A-27
Solid waste disposal, A-18
Standards, 1, 17, 23
Strontium-89, A-3, A-20
Strontium-90, 18, A-3, A-11, A-12, A-20
Sulfates, A-22, A-28
Sulfation, A-22
Surface water, A-29
Survival, 50

T

Tank liners, A-28
Tarnish, A-22
Thermal pollution, 47
Thyroid samples, A-6
Tin, A-22
Titanium, A-22
Toxicology, 17, 21, 24, 25, 30, 34, 35, 36, 50
Tritium, 18, A-29

U

Ultrasonics, 12
Urban affairs, 33, 37
Urban research, 49

V

Vanadium, A-22
Vehicle emissions, A-16

W

Waste, 7, 20, A-18, A-27
Waste disposal, 20, 51, A-18

Waste treatment, 51
Waste-treatment facilities, 51
Water, A-8, A-9, A-13, A-28, A-29, A-30
Water conservation, 25, 44, 52
Water management, 52
Water pipes, A-28
Water pollution, 20, 31, 33, 51
Water quality, 51, A-9, A-13, A-30
Water resources, 44, 52
Water supplies, A-29
Water use, 52

X-Z

X-ray devices, 22
X-rays, 22
Zinc, A-22, A-28

INFORMATION FACILITIES INDEX

A

Abatement, Monitoring Projects, A-1
Air Pollution Control Association, 23
Air Pollution Regulation System, 1
Air Pollution Technical Information Center (APTIC), 2
Air Shed Emissions Surveys, A-2
Alaskan Surveillance – Caribou and Reindeer Sampling Network, A-3
Alaskan Surveillance – Human Measurement, A-4
American Industrial Hygiene Association, 24
American Petroleum Institute Library, Environmental Affairs Section, 25
Analytical Methods Retrieval System, 26
APTIC, 2
APTIC Reference Library, 3
Archive Library of the American Medical Association, 27
Aspen Systems Corporation, 28
Atmospheric Turbidity Monitoring, A-5

B

Bay Area Air Pollution Control District, 29
Bovine Thyroid Network, A-6
Bureau of Radiological Health Library, 4

C

Categorical Pollution Emissions Surveys, A-7
Center for Air Environment Studies, 5
Clearinghouse for Federal Scientific and Technical Information, 30
Coast Guard Water Supply Sampling Project, A-8
Community Water Supply Study, A-9
Continuous Air Monitoring Project, A-10
Council on Environmental and Public Health, 31

D

Defense Documentation Center, 32
Department of Housing and Urban Development Library, 33
Division of Biological Effects (DBE) Information Facility: see Radiation Bioeffects Document Retrieval System
Division of Electronic Products (DEP) Information Facility: see Nonionizing Radiation Document Retrieval System
Division of Hazardous Substances, Household Substances Data File, 34
Division of Medical Radiation Exposure (DMRE) Information Facility: see Radiation Incidents Analysis System
Division of Poison Control (National Clearinghouse for Poison Control Centers), 35

E

Emergency Operations Control Center, 6

F

Federal Facilities Air Pollution Inventory Program, 7
Food and Drug Administration Headquarters Library CS-34, 36
Fuel Additives Register, 8

H

HUD Clearinghouse Service (Housing and Urban Development), 37
Human Bone Network, A-11

I

Industrial Hygiene Foundation of America, Inc., 38
Industrial Medical Association, 39
Information Center for Internal Exposure, 40
Institutional Total Diet Sampling Network, A-12
Intelligence Center on Batteries, 9
International Atomic Energy Agency, 41
Interstate Carrier Watering Points, A-13

L

Laboratory Information Bulletin, 42

M

Major Industry and Process Emission Surveys, A-14

Military Entomology Information Service, Walter Reed Army Medical Center, 43

N

National Aerometric Data System, 10
National Agricultural Library, 44
National Injury Surveillance and Epidemiology System, A-15
National Library of Medicine, 45
National Motor Vehicle Emissions Surveillance Program, A-16
National Occupational Health Monitoring System, A-17
National Referral Center for Science and Technology, 46
National Survey of Community Solid Waste Practices, A-18
Neighborhood Environmental Evaluation and Decision System (NEEDS), 11
Nonionizing Radiation Document Retrieval System, 12
Nuclear Facility Environmental Analysis System, A-19
Nuclear Safety Information Center, 47

O

Office of Compliance and Standards (OCS) Library: see Radiological Health Standards Document Retrieval System

P

Pan American Health Organization, Cooperative Surveillance Project, A-20
Pasteurized Milk Network, A-21
Pesticides Information Center, 48
Pollutant and Effects Networks, A-22
Pollution Source Inventory, A-23

R

Radiation Alert Network, A-24
Radiation Bioeffects Document Retrieval System, 15
Radiation Incidents Analysis System, 13
Radiation Incident Registry, 14
Radioactive Materials Document Retrieval System, 16
Radiological Health Standards Document Retrieval System, 17
Radiotoxicology Information Center (SERHL), 18
Regional and Abatement Area Surveillance Project, A-25

S

SAROAD (Storage and Retrieval of Aerometric Data), 19
Science and Technology Division, Library of Congress, 50
Science Information Exchange, 49
Scientific Reference Service (SRS): see Technical Reference Service
Solid Waste Information Retrieval System (SWIRS), 20
Source Survey of Specific Air Pollutants, A-26
Storage and Retrieval of Aerometric Data (SAROAD), 19
Storage and Retrieval of Industrial Solid Wastes Data, A-27
STORET (Water Quality Data Storage and Retrieval System), 51
Surveillance of Drinking Water Quality, A-28
SWIRS (Solid Waste Information Retrieval System), 20

T

Technical Reference Service (TRS), 21
Tritium in Surface Water, A-29

W

Water Hygiene Analysis System, A-30
Water Quality Data Storage and Retrieval System (STORET), 51
Water Resources Scientific Information Center, 52

X

X-Ray Document Retrieval System, 22

PARENT AND/OR SPONSORING ORGANIZATION INDEX

A

Air Pollution Technical Information Center, 3
American Medical Association, 27, 31
American Petroleum Institute, 25
Armed Forces Pest Control Board, 43
Atomic Energy Commission, 40, 47

B

Bureau of Abatement and Control, A-1, A-16, A-23, A-25
Bureau of Community Environmental Management, 11
Bureau of Criteria and Standards, A-2, A-7, A-10, A-14, A-22, A-24, A-26
Bureau of Engineering and Physical Sciences, 9, A-5
Bureau of Occupational Safety and Health, 21, A-15, A-17
Bureau of Radiological Health, 4, 12, 13, 15, 16, 17, 18, 22, A-3, A-4, A-6, A-8, A-11, A-12, A-19, A-20, A-21, A-29
Bureau of Solid Waste Management, 20, A-18, A-27
Bureau of Water Hygiene, A-9, A-13, A-28, A-30

C

Corporations, 23, 24, 28

D

Defense Supply Agency, 32
Department of Agriculture, 44
Department of Commerce, 30
Department of Defense, 32
Department of Health, Education, and Welfare, 1 through 22, 34, 35, 36, 42, 45, A-1 through A-30
Department of Housing and Urban Development, 33, 37
Department of the Army, 43
Department of the Interior, 51, 52
Division of Abatement, A-1, A-23, A-25
Division of Air Quality and Emission Data, 19, A-1, A-7, A-10, A-14, A-22, A-24, A-26
Division of Biological Effects, 15
Division of Electronic Products, 12, 22
Division of Environmental Radiation, A-3, A-4, A-6, A-8, A-11, A-12, A-19, A-20, A-21, A-29
Division of Injury Control, A-15
Division of Medical Radiation Exposure, 16
Division of Meteorology, A-5
Division of Motor Vehicle Pollution, A-16
Division of Occupational Injury and Disease Control, A-17
Division of Technical Operations, A-9, A-13, A-18, A-27, A-28, A-30

F

Federal Water Pollution Control Administration (FWPCA), 51
Field Scientific Coordination Staff, 26
Food and Drug Administration, 26, 34, 35, 36, 42

L

Library of Congress, 46, 50

N

National Air Pollution Control Administration (NAPCA), 1, 2, 3, 5, 6, 7, 8, 9, 10, 19, A-1, A-2, A-5, A-7, A-10, A-14, A-16, A-22, A-23, A-24, A-25, A-26
National Bureau of Standards, 30
National Institutes of Health, 45
National Science Foundation, 46, 49

O

Office of Criteria and Standards, 17
Office of General Services – HUD, 33
Office of Information, 20
Office of Product Safety, 34, 35
Office of Technical Information and Publications, 2, 3
Office of Water Resources Research, 52

S

Smithsonian Institution, 49
Southeastern Radiological Health Laboratory, 18

U

Union Carbide Corporation, 40, 47
United Nations, 41

W

Walter Reed Army Institute of Research, 43